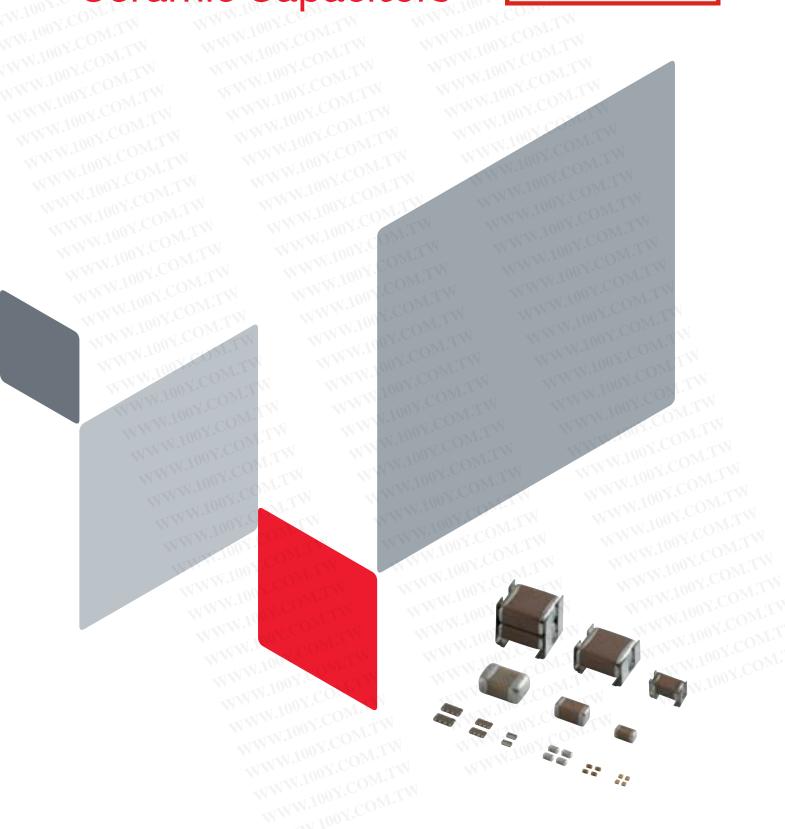


# Chip Monolithic Ceramic Capacitors

勝 特 力 材 料 886-3-5753170 胜特力电子(上海) 86-21-34970699 胜特力电子(深圳) 86-755-83298787 Http://www.100v.com.tw



## Explanation of Symbols in This Catalog



Lx W dimension: products of 0.6x 0.3 mm or less



Low dissipation for high frequency By devising ceramic materials and electrode materials, low dissipation is achieved in frequency bands of VHF, UHF and microwave or beyond.



Low inductance
This capacitor is designed so that
the parasitic inductance component (ESL)
that the capacitor has on the high frequency
side becomes lower.



Product suitable for acoustic noise reduction and low distortion This product suppresses acoustic noise, which occurs when a ceramic capacitor is used, by devising the materials and configuration.



Product resistant to deflection cracking
This capacitor is designed to prevent failures as much
as possible by short mode caused by cracking
when there is board deflection.



Product with solder cracking suppression This capacitor is configured with metal terminals and leads connected to the chip.

The metal terminals and leads relieve the stress from expansion and contraction of the solder, to suppress solder cracking.

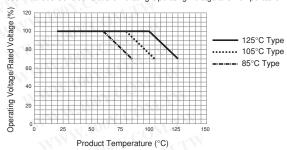
Derating

Voltage and temperature derating recommended product This product is suitable when a voltage continuously applied to a capacitor in an operating circuit, is used below (derated) the rated voltage of the capacitor.

the rated voltage of the capacitor.

This model guarantees the test conditions in the endurance test, at a rated voltage x 100% at the maximum operating temperature. A reliability assurance level equivalent to a common product can be secured, by using this product within the voltage and temperature derated conditions recommended in the figure below.

·Recommended Conditions of the Derating Operating Voltage and Temperature



#### EU RoHS Compliant

- · All the products in this catalog comply with EU RoHS.
- EU RoHS is "the European Directive 2011/65/EU on the Restriction of the Use of Certain Hazardous Substances in Electrical and Electronic Equipment."
- For more details, please refer to our website 'Murata's Approach for EU RoHS' (http://www.murata.com/info/rohs.html).

For General Purpose GRM Series
Capacitance Table

# ♠Caution/ Notice

# Contents

WWW.100Y.COM.TW Product specifications are as of August 2014.

Part Numbering p2	
NN COLUMN	
Capacitance Tablep6	Cap. Table
For General Purpose GRM Series p17	separate volume
High Frequency High Q Type 1005(in mm)/0402(in inch) Size Max. GJM Series ····· p87	p7
Top & Bottom Electrode Type for Bonding GMA Seriesp109	p8
Product for Bonding/AuSn Soldering GMD Seriesp111	p9
High Frequency High Q Type 1608(in mm)/0603(in inch) Size Min. GQM Series ·····p114	p10
Resin External Electrode Type GRJ Seriesp123	p11
High Effective Capacitance & High Allowable Ripple Current GR3 Seriesp125	p12
Metal Terminal Type For General Purpose KRM Seriesp127	p13
Metal Terminal Type High Effective Capacitance & High Allowable Ripple Current KR3 Seriesp130	p14
8-Terminal Low ESL Type LLA Series ······p133	p14
LW Reversed Low ESL Type LLL Seriesp135	p15
10-Terminal Low ESL Type LLM Seriesp137	p15
ESR Controlled Low ESL Type LLR Seriesp139	p15
A Caution/Nation	N.100X.
Qualified Standards	
	Selection Guide

WWW.100Y.COM.TW Please check the MURATA home page (http://www.murata.com/) if you cannot find the part number in the catalac

#### Part Numbering

#### Chip Monolithic Ceramic Capacitors for General

GR M 18 8 B1 1H 102 K A01 D (Part Number) 6 0

#### 1 Product ID 2 Series

Product ID	Code	Series
GJ	M	High frequency HiQ type 1005(in mm)/0402(in inch) size max.
CM	Α	Top & bottom electrode type for bonding
GM	D	Product for bonding/AuSn soldering
GQ	М	High frequency HiQ type 1608(in mm)/0603(in inch) size min.
I.COM.TV	3	High effective capacitance & High allowable ripple current
GR	J	Resin external electrode type
	М	General purpose products
KR	3	Metal terminal type/High effective capacitance & High allowable ripple current
	M	Metal terminal type
Jan 21 CO.	Α	8-terminal low ESL type
N.100 Y.	ML.	LW reversed low ESL type
1100 Y.C.	M	10-terminal low ESL type
	R	ESR Controlled low ESL type

#### 3Chip Dimensions (LXW)

Code	Dimensions (LXW)	Size Code (in inch)	Code	AA
02	0.4×0.2mm	01005	CO	V
03	0.6×0.3mm	0201	V.CON FON	4
05	0.5×0.5mm	0202	OM K	
08	0.8×0.8mm	0303	DY. COMPLY	
0D	0.38×0.38mm	015015	Q TY	
15	1.0×0.5mm	0402	COT	
18	1.6×0.8mm	0603	100 - (W)	I.
1U	0.6×1.0mm	02404	1001. OM.T.	4
21	2.0×1.25mm	0805		
22	2.8×2.8mm	1111		
31	3.2×1.6mm	1206		
32	3.2×2.5mm	1210		
42	4.5×2.0mm	1808		
43	4.5×3.2mm	1812		
	5.7×5.0mm	2220		

#### ◆Height Dimension (T) (Except KR□)

Code	Dimension (T)
2	0.2mm
3 0	0.3mm
4	0.4mm
5	0.5mm
6	0.6mm
7	0.7mm
8	0.8mm
9	0.85mm
Α	1.0mm
В	1.25mm
C	1.6mm
D	2.0mm
E	2.5mm
M	1.15mm
Q	1.5mm
S	2.8mm
X	Depends on individual standards.

#### 4 Height Dimension (T) (KR□ Only)

Code	Dimension (T)
TE	1.8mm
FN	1.9mm
K	2.7mm
WILT.	2.8mm
Q	3.7mm
OT	4.8mm
W	6.4mm

Continued on the following page.



(Part Number)

GR M 18 8 B1 1H 102 K

Temperature Characteristic Codes Temperature Characteristics					Operating	Capacitance Change Each Temperature (%)						
Code Public STD Code		Reference Temperature Temperature Range		Capacitance Change or Temperature Coefficient	Temperature Range	-55°C Max. Min.		*3 Max. Min.		-10°C Max. Min.		
1X	SL	JIS	20°C	20 to 85°C	+350 to -1000ppm/°C	–55 to 125°C	COM	- 1	-	-	-	-
2C	СН	JIS	20°C	20 to 125°C	0±60ppm/°C	–55 to 125°C	0.82	-0.45	0.49	-0.27	0.33	-0.18
3C	CJ	JIS	20°C	20 to 125°C	0±120ppm/°C	–55 to 125°C	1.37	-0.9	0.82	-0.54	0.55	-0.36
3U	UJ	JIS	20°C	20 to 85°C	-750±120ppm/°C	–25 to 85°C	M.C.	-11	4.94	2.84	3.29	1.89
4C	СК	JIS	20°C	20 to 125°C	0±250ppm/°C	–55 to 125°C	2.56	-1.88	1.54	-1.13	1.02	-0.75
5C	COG	EIA	25°C	25 to 125°C	0±30ppm/°C	–55 to 125°C	0.58	-0.24	0.4	-0.17	0.25	-0.11
7U	U2J	EIA	25°C	25 to 125°C *2	-750±120ppm/°C	–55 to 125°C	8.78	5.04	6.04	3.47	3.84	2.21
B1	B *1	JIS	20°C	−25 to 85°C	±10%	–25 to 85°C	100	.Co	TT	-	-	-
В3	В	JIS	20°C	−25 to 85°C	±10%	–25 to 85°C	-00	V.CO	- 11	W-	-	-
C7	X7S	EIA	25°C	-55 to 125°C	±22%	–55 to 125°C	1.700	- 5 T C	$\mathfrak{IM}$ .	-XXI	-	-
C8	X6S	EIA	25°C	−55 to 105°C	±22%	–55 to 105°C	W.10	O.F.	No	1	-	-
D7	X7T	EIA	25°C	-55 to 125°C	+22%, -33%	–55 to 125°C	-11	00-11.	-	17-11	-	-
D8	X6T	EIA	25°C	-55 to 105°C	+22%, -33%	–55 to 105°C	M.	Vo.	$C_{\Omega_R}$	TV	-	-
E7	X7U	EIA	25°C	-55 to 125°C	+22%, -56%	–55 to 125°C	N W	Jos	7 CO	Mr.	*I -	-
R1	R *1	JIS	20°C	-55 to 125°C	±15%	–55 to 125°C	-1	1.1-00		VE.	-	-
R6	X5R	EIA	25°C	−55 to 85°C	±15%	–55 to 85°C	M. Zu	-110	11.0		M	-
R7	X7R	EIA	25°C	-55 to 125°C	±15%	−55 to 125°C	-WW	Miss	0.70	O.	TEV	-

<sup>\*1</sup> Capacitance change is specified with 50% rated voltage applied.

#### 6Rated Voltage

	COMP	
Code	Rated Voltage	11 1
0E	DC2.5V	
0G	DC4V	WWI
0J 10	DC6.3V	TAIL V
1A	DC10V	WW
1C	DC16V	WW
1E	DC25V	11
1H	DC50V	
1J	DC63V	1/
1K	DC80V	N v
2A	DC100V	XI.
2D	DC200V	L 7
2E	DC250V	TW
2W	DC450V	WE
2H	DC500V	T. T.
2J	DC630V	M.I.
3A	DC1kV	TIM
3D	DC2kV	TW
3F	DC3.15kV	OM
YA	DC35V	COMIT

#### Capacitance

Expressed by three-digit alphanumerics. The unit is picofarad (pF). The first and second figures are significant digits, and the third figure expresses the number of zeros which follow the two numbers. If there is a decimal point, it is expressed by the capital letter "R." In this case, all figures are significant digits. If any alphabet, other than "R", is included, this indicates the specific part number is a non-standard part.

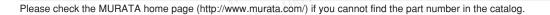
Ex.)	Code	Capacitance
100 _	R50	0.50pF
1.1007	1R0	1.0pF
100	100	10pF
N.T.	103	10000pF

#### 8 Capacitance Tolerance

Capacitance Tolerance					
±0.1pF					
±0.25pF					
±0.5pF (10pF and below)					
±0.5% (10pF and over)					
±1%					
±2%					
±5%					
±10%					
±20%					
±0.05pF					

Continued on the following page.





<sup>\*2</sup> Rated Voltage 100Vdc max: 25 to 85°C

<sup>\*3 –25°</sup>C (Reference Temperature 20°C) / –30°C (Reference Temperature 25°C)

(Part Number)

> WWW.100Y.COM WWW.100Y.COX

Continued from the preceding page.

Individual Specification Code (Except LLR)

Expressed by three figures.

#### **9**ESR (**LLR** Only)

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Code	ESR
E01	100mΩ
E03	220mΩ
E05	470mΩ
E07	1000mΩ

#### Packaging

Code	Packaging
UL COL	ø180mm Embossed Taping
D/E/W	ø180mm Paper Taping
K	ø330mm Embossed Taping
J/F	ø330mm Paper Taping
B	Bulk
T 100 %	Bulk Tray

Please contact us if you find any part number not provided in this table.

# Selection Guide for Chip Monolithic Ceramic Capacitors

					201	MiliO		W.100	crack	stack.			tions
		/_5	/ V	sm	Me than old is	pation Hio	die	defle	cting crack	Artiron	s tortond	ific f	sale of the sale o
	War.	Series	page	Jitra en	Lond	Low EST	Failsate	Antiro	Artirs	Artiron	Forde	Specir	Safetskin
N.100Y.CON	For G	GRM GA2	page p17	L. Vans	ov.co	M.TW	e T	WWW	N.1007	CON	TW		
14.100 X.C.	ener	GA2			001.0	OM.T	N N	AN A	W.100	M.CO	MIN.		
WW.1007.C	al Pu	GJM	p87	VVV	100	COM	TAI	- W	WW.T	001.C	OM.T.	V -	
MAN. 100X	General Purpose	GJ4	NI NI	Viene	W.300	V.CON	TW			1007	COM		
MMM.100	y.C	GJ8		W	W.10	OV.CO	M.T.		WW		COM	LIN	
WWW.IC	0Y.C	GMA	p109		WW.	001.C1	OM.T	N XN		W.10		M.TW	
WWW.	700	GMD	p111		MMM	100X	COM	TW	N.	NVI-1		MI	N
WWW		GQM	p114			W.100		1.TV			1007	COW.	N N
WW	W.1	GRJ	p123			NW.10	N.CO			WW	W.100X	I.COM	TW
W	NW.	GR3	p125	TW	A	WW.	100X.C	OM.T	N		VIV.10	N.CO	M.TW
4		GR4	A.CO	1.TW		NWV	.100 A.	COM:			MW.1		OM.T
	MA M	GR7	OX.CC	MIT	Į.	WW	N.100	Y.COM	1.TW		MMM.		CONT
	W	KRM	p127	ON.T	W	WV	NW.10				WW	N.100X	COM
	N. C.	KR3	p130	.COM.	LM LM		WW.1	A C			WV	W.100	N.CO
		LLA	p133	Y.CON	NTW		NWW	100X.	COM	LM.	W	NN.	00Y.CC
		LLL	p135	OXICO	M.TV		MM	W.1003	V.CON	TY.		NWW	100 x.c
		LLM	p137	100X.C	OM:1		WV	W.100	OX.CO	MTY		WWY	N.100Y
		LLR	p139	V.100Y	$^{-CO_{M}}$		W	WW.	00 X C	OM.T	N	WW	W.100
		ZRA		W.100	Y.CO1	LIN		MMM	1001	C TO STATE OF THE	ZW.	N.	WW.10
		ZRB	W	111.10	OY.CO	MIT	«T	WW	V.100		LTW		MAN
	For /	GCM	1/1		100X.C	OM.T	0		VV.100	N.CO	MIN		MANA
	\utor	GCD		WWW	X 100X	COM.			MM.T	OON.C	ONIT	N	WW
	notiv	GCE		MM	W.100	V.CO				100X	COM!		10
	For Automotive (Cat. No. C03)	GCG			NW.10	OA.CC	Mr. r			V.100	1.COM		
	at. No	GCJ			MM.	100 Y.C	OM		WV		ox.co,		
	. C03	GC3			MAN	100X	.coM.						
		KCM			WW	N.100	4.COM						
		КС3			W								

#### How to read the Capacitance Table

L×W (mm)	0.4	×0.2	0.6>	×0.3	1.0
T max. (mm)	0.:	22	0.	33	0.
Rated Voltage (Vdc)	2	5	2	5	Ę
Cap. / TC Code	COG	СΔ	COG	СΔ	COG
0.10pF	1	- XXIV	1007	700	p101
0.20pF	p88	p91	p94	p97	p101
1.0pF	p88	p91	p94	p98	p101
2.0pF	p88	p91	p95	p98	p101
3.0pF	p88	p91	p95	p98	p102

# Temperature Characteristics Table

The Table is colored by temperature characteristic codes. Refer to the following Table for the meaning of each code.

EIA:	C0G	U2J	X7R	X7S	X7T	X7U	X6S	X6T	X5R
JIS:	CK	CJ	СН	SL	UJ	R	В		

Public		Reference	Temperature	Capacitance Change	Temperature Range	-5:	5°C	*	2	-10	0°C
STD Code	OOX.	Temperature	Range	or Temperature Coefficient		Max.	Min.	Max.	Min.	Max.	Min.
COG	EIA	25°C	25 to 125°C	0±30ppm/°C	−55 to 125°C	0.58	-0.24	0.4	-0.17	0.25	-0.11
CK	JIS	20°C	20 to 125°C	0±250ppm/°C	−55 to 125°C	2.56	-1.88	1.54	-1.13	1.02	-0.75
CJ	JIS	20°C	20 to 125°C	0±120ppm/°C	−55 to 125°C	1.37	-0.9	0.82	-0.54	0.55	-0.36
CH	JIS	20°C	20 to 125°C	0±60ppm/°C	−55 to 125°C	0.82	-0.45	0.49	-0.27	0.33	-0.18
SL	JIS	20°C	20 to 85°C	+350 to -1000ppm/°C	–55 to 125°C	-	12/1/		107.0	717	M-
U2J	EIA	25°C	25 to 125°C *1	-750±120ppm/°C	–55 to 125°C	8.78	5.04	6.04	3.47	3.84	2.21
UJ	JIS	20°C	20 to 85°C	-750±120ppm/°C	–25 to 85°C	- 1	-	4.94	2.84	3.29	1.89
X7R	EIA	25°C	-55 to 125°C	±15%	−55 to 125°C	-	- "		700 -	(0)	$C_{I'}$
X7S	EIA	25°C	-55 to 125°C	±22%	−55 to 125°C	417	- 4	Min	×1 1-00	1.0	VI.IV
X7T	EIA	25°C	-55 to 125°C	+22%, -33%	−55 to 125°C	TV	-	W-W	M 0	N.Cu	- T
X7U	EIA	25°C	-55 to 125°C	+22%, -56%	−55 to 125°C	-	-	-310	11-10	~ ₹7 C'	$ON_{I}$ .
R	JIS	20°C	-55 to 125°C	±15%	−55 to 125°C	$M_{\overline{A}M}$	-	Ju.	TIN A	20 F.	NOW.
X6S	EIA	25°C	−55 to 105°C	±22%	−55 to 105°C	-T	N -	-11	- 41	1001	-50/
X6T	EIA	25°C	-55 to 105°C	+22%, -33%	−55 to 105°C	DA:	W-	- 4	M-M.	100 X	Co
X5R	EIA	25°C	−55 to 85°C	±15%	−55 to 85°C	Oyl.	- 1	-		1.70	4 GO
В	JIS	20°C	-25 to 85°C	±10%	−25 to 85°C	Mo	Lin	-	1	N.100	-00

<sup>\*1</sup> Rated Voltage 100Vdc max: 25 to 85°C

#### **■** GRM Series



For the Capacitance Table of General Purpose GRM Series, please review the inserted Capacitance Table "Chip Monolithic Ceramic Capacitors For General Purpose GRM Series". WWW.100Y.COM

<sup>\*2 –25°</sup>C (Reference Temperature 20°C) / –30°C (Reference Temperature 25°C) WWW.100Y.COM.T

Capacitance Table Poo Each number in the Part Number List refers to the page number printed at the bottom of the page.

## ■ GRM Series Temperature Compensating Type

L×W (mm)	mber		JIS: ×0.2	СК	107	0.6	×0.3	TV		EI		1.0×0.	5	000	-			N		1	1.6×0.	8				
T max. (mm)		0.	22	N.T			.33	•	<1			0.55	M.		<7 C	Op	30	0	.5					0.9		
ed Voltage (Vdc)		6		10		00	_	50	_	00		50	1	10	1.00		50			10			00		50	_
Cap. / TC Code 0.10pF	COG	СΔ	COG	СН	COG	CΔ p29	C0G	CΔ p36	C0G	CΔ p43	C0G	CΔ p49	SL	U2J	UJ	SL	U2J	UJ	SL	U2J	UJ	COG	СΔ	COG	СΔ	S
0.20pF	p18	p21 p22		-	p26	p29	p32	p36	p39	p43	p46 p46	p49	- 11	1	M > .		M									1
0.50pF	p18	p21 p22	-		p26	p29	p32	p36	p39	p43	p46	p50	1				for ev					p54	p57	p60	p64	Ĺ
1.0pF	p18	p21 p22	MA		p26	p29	p32	p36	р39	p43	p46	p50					art Nu					p54	p57	p60	p64	1
2.0pF	p18	<mark>p22</mark> p23	- 41		p26	p30	p33	p36	p40	p43	p46	p50	1 V	deta								p54	p57	p61	p64	
3.0pF	p18	<mark>p22</mark> p23			p27	p30	р33	p36	p40	p43	p47	p50		M	1		0	175.				p54	p58	p61	p64	
4.0pF	p19	p23		V	p27	p30	p33	p37	p40	p44	p47	p50			- 40	07		- 6	TI			p54	p58	p61	p64	Ł
5.0pF 6.0pF	p19 p19	p23 p24	1		p27 p28	p30	p34 p34	p37	p40 p41	p44	p47	p51		01X	1.11		- c(	DIVI		4		p55 p55	p58 p58	p61 p62	p65 p65	+
7.0pF	p20	p24		W	p28	p31	p34	p38	p41	p45	p48	p51	- W		_11	00		-7				p56	p59	p62	p65	t
8.0pF	p20	p24			p28	p32	p35	p38	p42	p45	p48	p52		- T	W -		<7 (	OF				p56	p59	p62	p66	1
9.0pF	p20	p25		V	p29	p32	p35	p38	p42	p45	p49	p52			_<1	101	) y.		M.	. 4.		p56	p60	p63	p66	
10pF	p21	p25			p29	p32	p35	p39	p42	p46	p49	p53		-17		0.35	J	CU	100	4		p57	p60	p63	p67	4
10.5pF	1	p25					10	17.		M.			1			111	M F		M	' Y .						
11pF 12pF	p21 p21	p25 p25			p29	p32	p35	p39	p42	p46	p49	p53		N/		N	00	7.C	Dr.	- 1	N	p57	p60	p63	p67	i
12.5pF	DE!	p25			PES	POZ	pos	pos	P4Z	P40	<i>p</i> -13	poo					in.			100		ρυν	poo	pos	por	-
13pF	p21	p25	(		1	IN		00	V.C	9	- 11	W		1	NN		400	V.		× 17	W					
14pF	p21	p25					-cAÍ	$I_{IIA}$		.01						STV)	TA,		d0	Mr.						
15pF	p21	p25	W		p29	p32	p35	p39	p42	p46	p49	p53				Maria	4.6	M		. 6	TV	p57	p60	p63	p67	
16pF	p21	p25	1			1,	100	10	0	00	M.		1			O AT	$\Lambda^{*}T$	J ~	7.0	$0_{L_1}$						1
17pF	p21	p25 p25	1			W	p35	p20	p42	D46	p49	DE2	i		1	1	27	100	1.0	~ 1	T	257	p60	p63	p67	i
18pF 19pF	p21	p25		-7			p35	p39	p42	p46	p49	p53	-ST			- TXA	W.	LV	×7 (	,O)	7.	p57	ρου	рвз	p6/	-
20pF	p21	p25	177	N		1	N.		100	1		1				N		10	1		M					ĺ
21pF		p25	Lo L	1			_	M	100	<b>2</b> T	10	1130	-« <b>%</b> I			**I	NV		as J		74.					1
22pF	p21	p25	67				p35	p39	p42	p46	p49	p53	LAA			1/4		st 1	)U >		M	p57	p60	p63	p67	
24pF	p21	p25	Mr.					N	1020		C	DIAM		li .				MA.		J C	Ob		Ø.			1
27pF	p21	p25					p36	p39	p42	p46	p49	p53						osii.	100	-	301	p57	p60	p63	p67	1
30pF 33pF	p21 p21	p26	DIAR		N		p36	p39	p42	p46	p49	p53		W				411	. 0	1	, V	p57	p60	p63	p67	i
36pF	p21	p26		1.3			pso	pos	742	P40	pus	poo	11.					×10	1.30		a(	1007	poo	700	por	-
39pF	p21	p26	A P		N/		p36	p39	p42	p46	p49	p53		TV			W	1				p57	p60	p63	p67	1
43pF	p21	p26	- 0	M.	-			-	-15	1777	100	a(	IN					- 4 % [	1.1	00	- 0	ON		. «1		1
47pF	p21	p26	CA		M		p36	p39	p42	p46	p49	p53		T	N			144			Y.	p57	p60	p63	p67	
51pF	p21	p26			77.					$\propto 1.1$	On.			1.5					W.	To	-7	40	Mr.			-
56pF	p21	p26	p26	p26		N	p36	p39	p42	p46	p49	p53		1						- 10	97.	p57	p60	p63	p67	ļ.,
62pF	p21 p21	p26	p26	p26	1.1		p36	p.20	p42	p46	p49	nF2	40	Mrs				-1	11	.10		p57	260	p63	267	i
68pF 75pF	p21	p26	ρ26	p26	- T	W	<i>p</i> 36	p39	p42	p46	p49	p53		- N	41			N		×1 1	90	рэл	p60	p63	p67	-
82pF	p21	p26	p26	p26	17.		p36	p39	p43	p46	p49	p53		MA		1			πÑ	44.2		p57	p60	p63	p67	Ĺ
91pF	p21	p26	WA		- 5	TV			W	7	-11	OU		~ 3						-41	100		_01	$\Lambda_{\bullet}$		1
94pF	p21	1.7.		. 0	$\mathbf{D}_{N_I}$		ec 1			- TXN	We		×7 (	$O_{P_{i}}$		< XI			ATV.			N				
96pF	p21		00	V		T	1		1	11.		400	13.0		M3				AA.		110	O >		$\Delta \Lambda$	7.1.	
100pF	p21	p26	p26	p26	107	1	p36	p39	p43	p46	p49	p53	OJ	CU					<b>4 1</b>			p57	p60	p63	p67	
120pF 150pF			10	100		1.	p36 p36	p39	-	MA	p49 p49	p53	10 7	~ (	M				7	-<1	111	p57	p60 p60	p63 p63	p67	+
180pF	_<1	N		~ \$1	100		p36	p39		< 1	p49	p53	~03		727		Ń			IN		p57	p60	p63	p67	h
220pF	14		et 10			$\Delta \Delta \Lambda$	p36	p39		1	p49	p53	no.			1.					TV	p57	p60	p63	p67	1
270pF	-1	W	14.		7.C	O.	70	N		-	p49	p53	. 00	1.		- 17	W			W)	1	p57	p60	p63	p67	1
330pF			441	100	1	.01	1.7				p49	p53	Tn.		40	$M$ $\cdot$						p57	p60	p63	p67	
390pF		TIM	MA.	Ι.,	1	DO.		V			p49	p53		OX						1	47	p57	p60	p63	p67	k
470pF 560pF		N.Y	211	130	V		M.				p49 p49	p53	1.77	, v	- C	$\mathcal{D}_{N_{J}}$		96T			ersí	p57	p60 p60	p63	p67	1
680pF		W	W.A.		1						p49	p53		$\alpha \alpha$				Ų.			A.A.	p57 p57	p60	p63	p67	+
820pF			-<1	$\langle N_{i} \rangle$		- 0			-T		p49	p53	W.		<7 <b>(</b>	107		- X X			-	p57	p60	p63	p67	
1000pF		V			100			$\Gamma$	W		p49	p53		100								p57	p60	p63	p67	
1200pF			-10	W	700	-76	407	1	- 1			-41	p53	p53	p53	CA	74.	-			<1	p57	p60	p63	p67	1
1500pF		1	MA		40	1000	Υ				1		p53	p53	p53		-21	7.				p57	p60	p63	p67	1
1800pF					1.7		CC	Mar		1			p53	p53	p53	7 (	(D) N				-	41/1	477	p63	p67	1
2200pF 2700pF			W		-KT 1	900							p53	p53 p53	p53	p53	p53 p53	p53					et XX	p63	p67	1
3300pF				W	10.00		J C	OM		σī			p53	p53	p53	p53	p53	p53	T			T		p63	p67	,
3900pF						100		- 1	1.				p53	p53	p53	p53	p53	p53		,			~XIX	p63	p67	,
4700pF				31	1		d			-51			p53	p53	p53	p53	p53	p53	TV			V		p64	p67	1
5600pF				44	-31	10	N >	40	$\Lambda_{I}$	3- Y				-«1 <sup>4</sup>	N.Y	00	. 0	ON	p53	p53	p54		< X	p64	p67	1
6800pF				< 1			av	CA	12.	-01	N.		<b>4</b>			-00			p53	p54	p54	1		p64	p67	1
8200pF						x1.1	00.		NO	F . 7					W.	700		401	p53	p54	p54			p64	p67	1
10000pF					IN	44.	.00	V.C		E 18	N	1		N		40	17.		p53	p54	p54		M	p64	p67	-
12000pF 15000pF						M	100		60						M	10		CC	Mr					W	N.3	
18000pF					M	1 4 4	40	M.			W			W	111	-11	002		1				V	4.7		ŀ
22000pF						NTV	1.14		. ((	74		L.			NV.	11.		J (	OM		<b>6</b> 0					
27000pF						AA.	4	000	1.00			N		N	1		100	7.	- 1	13	44					
33000pF						-45 S	(N.)	V V	.7.			J-4.T			~1	IN	3	×1								1
39000pF						AAA		100	N'C		17	W			M A		-10	0x.								1
47000pF							IN	$T_{\Omega_{i}}$		cO	Mr.				_ 1		102									l
56000pF						W.		116	01.		10	J.A.			M	1										
68000pF 82000pF						1	MI	N. 3.		C	DIA		N													-
		1				1		- T 1	100		-		1	1								1	1		1	1
0.10µF																							1			1

Capacitance Table Poo Each number in the Part Number List refers to the page number printed at the bottom of the page.

#### (→ ■ GRM Series Temperature Compensating Type)

	nber I		JIS:		CJ	CH	S	L	JJ	EIA	A: C0	GU	2J	000	C	$)_{Nr}$		V.								
L×W (mm) T max. (mm)			1.6×0.8 0.9	3	07.	. ((	M	J. A.	0.7		- 44	· · · · · · · · · · · · · · · · · · ·	N.)	00 3	2	2.0×1.2 0.	95	- T					1.	0		
cap. / TC Code	U2J	UJ	SL	10 U2J	UJ	1 C0G	00 CH	COG	СН	50 SL	U2J	UJ	COG	СН	50 SL	U2J	UJ	SL	10 U2J	UJ	_	50 U2J	20 C0G		SL 5	0 U2J
0.10pF	020	00	J.V.	O20		000	011	000		OL.	020	00	ood	- 4 N	07	020	00	J.	020	00		020	000	020	OL	020
0.20pF 0.50pF				W	Jai	J	cO	Mr.					W.	1.7.		C	DIAT		V							
1.0pF					v 19	07		M			İ		- 1	$\sqrt{1}$	90			1.	-1							
2.0pF 3.0pF			N			oo'					1				100	1		13	W					i		
4.0pF				3 N	11-	100	(</td <td>101</td> <td>1</td> <td>αŃ</td> <td></td> <td></td> <td>41J</td> <td>JAN</td> <td></td> <td>ωV.</td> <td>CO</td> <td>N. P.</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td>	101	1	αŃ			41J	JAN		ωV.	CO	N. P.								
5.0pF 6.0pF				N 1	-11	101	97.		M.						4.11	W =	- c(	M	, Y.					į		
7.0pF				W		-11	101		A.A.	$\mathcal{I}_{\mathcal{A}}$			M		××1 1	00				<u> </u>						
8.0pF 9.0pF		1		< N	W	10.2	00	7.C	DM		N.			W	/// -	4.00	¥.0	,U <sup>μ</sup>	1	W						
10pF					- 1	W.	100	-7 (	101	100	_ < 1	1			VV		~1	CO	Mr	_	p68	i	p69			
10.5pF 11pF				1	MA		10			M.				M		v 1	10 7		M	J. A						
12pF		W			W			M	C		TV			V	W		00	1.0		T	p68		p69			
12.5pF		1					1.7	70	7 C	$O_{N_l}$		cxí			XI X	W.		1	107	7.0	W					
13pF 14pF		T					<1.	100			1						30	) 2	<u>~</u> 0	1						
15pF			N					40	1.1		- T	W			W		-11	101			p68		p69			
16pF 17pF		17.	-431			- 1	NV	-70		CC	Mr	-01	I		< X	W	1.2	00	7.C	) We	- 11	N				
18pF		M	LAN			1/1	_ 11	NJ	00.		Mo		_1			_	W.	MA	-71	10	p68		p69			
19pF 20pF		72	177	N		1	TVV	1	100	Y.C		1.1	W			N		10	3.		M.	CAN				
21pF		$O_{\overline{N}}$		σÑ			N	W	1	V.		N 3- "	-VV			W	NN		M	Cr	71	TV				
22pF 24pF		40	1.	4.			N.V.	TV	1.10	N 32 ·	C(	M		.1		1	IN	1.7	00	7.	p68		p69			
27pF			- 1	Ú.			11	A.A.	×1.1	007	. "		1			V		r(X)	100	7.	p68	7.7	p69			
30pF 33pF		C	) Mr.	~	V		<	M	Mos	. 00	₹.C	OP	- 1	W			W	14.	40	1	p68	~ (\)	p69			
36pF			ON	1.7					W	700		40	15.	- 1				W	.10		C	My.		J		
39pF 43pF		1		3						110	07.		NA.	LIN				- KT	N.1	905	p68	ON	p69			
47pF		αŢ	CO		N/O			W	W		کمہ	.0		1	V.		1	M		00	p68		p69	W		
51pF 56pF		W =	- (1	M		s.1			T	W.		KT (	$O_N$		KON .			54 Ý	W.	70	p68		p69	M		
62pF		00;								-XXI	100	3.	- O	$\Lambda^{i,j}$	*			**	TV.	1.10	0	<b>c</b> (	$M_{I^{\circ}}$		1	
68pF 75pF		400	X.C	,QP	N 17	W			W		- 10	OY.		A.A.	TW			W	///	×1 1	p68		p69	T)	N	
82pF		770		0.0	77-				-31		10		C		-	N.			TW	14.	p68	$\sqrt{C}$	p69	- 10	Ø.	
91pF 94pF		V 18	0 1		M						ov.1	()()		01	(,)	-1			750	W	700	-7	-01	Vr - 7	- 31	
96pF			007				N			AM		100	1.		13	W			M.		110	07.		$\pi\Lambda$	LA	
100pF 120pF		(N.)	.0~	KV G	101	p67	p68			KNÍ	T.N		W.	ÇO	N. P.	TV			W		p68 p68	p68 p68	p69 p69	p69 p69	T	A.
150pF		- TAN	70,	7	a0	p67	p68					1.27		. (	DDV		<1			-M	p68	p68	p69	p69		< <b>S</b> I
180pF 220pF			J 11	03		p67	p68			1		250 1	$\theta \theta$				N.				p68	p68 p68	p69 p69	p69 p69	47	
270pF		W	1	~~	7.C	p67	p68	N		4	UN	44.	. 00	V.C		- 11	W			W	p68	p68	p69	p69	~ (	T
330pF 390pF		- 3	W.	MA	-7 (	p67 p68	p68	-31			-<1		TO	- 1	cO	//J				41	p68	p68 p68	p69	p69 p69	$)$ $N_D$	-
470pF		M. A.		40		p68	p68	J. Al.A.					V 10			M						p68	00	p69	$A_{\mathcal{O}}$	<u> </u>
560pF 680pF		W	XX		1	p68	p68				1		J 1	00	7.0		T	N		4		p68 p68	100	p69 p69		M.
820pF			N	N.Y		p68	p68		XI.			N/N	W.		V.(	101		W			W	p69	, 0	p69	CA	
1000pF 1200pF	p67	p67		- N	700	p68 p68	p68	p68	p68				XIV.	301	) ×	co	M.					p69 p69	1.77	p69 p69	7 CS	DD
1500pF	p67	p67	MA		40	p68	p68	p68	p68			W	N.	of 40	102		AA	TY			1	p69	QJ 1	p69		
1800pF 2200pF	p67 p67	p67	<xi< td=""><td>NN</td><td>.10</td><td>p68 p68</td><td>p68</td><td>p68 p68</td><td>p68</td><td>Ţ</td><td></td><td>Ú</td><td></td><td>M.s.</td><td>ΔΔ</td><td>7.C</td><td><math>O_{P_A}</math></td><td>TT.</td><td>N</td><td></td><td></td><td>p69 p69</td><td>41.</td><td>p69 p69</td><td>Y.C</td><td></td></xi<>	NN	.10	p68 p68	p68	p68 p68	p68	Ţ		Ú		M.s.	ΔΔ	7.C	$O_{P_A}$	TT.	N			p69 p69	41.	p69 p69	Y.C	
2700pF	p67	p67	1		N.1	p68	p68	p68	p68	-1			-141	W.	$r_{n_0}$	-7 (	401	7.7	- XI			-XI	VV		<b>~</b>	C
3300pF 3900pF	p67 p67	p67			-41	p68	p68	p68 p68	p68	M					10	77.0		M	7.7/				-<1V	N.19	)U Z	
4700pF	p67	p67			M.		N.	p68	p68	M			<b>W</b>	N. W.		202	e.		TY			V			00	<b>7.3</b>
5600pF 6800pF	p67 p67	p67			W	1.10	0	CC	M				p68 p68	p68	Y.Y		7.C	OM		W			N	W.		N.
8200pF	p67	p67		W		x1 1	00)		oN	T.			p68	p68	ĸΝ.	700	1	.01	1.7	4.4			1	W	70	
10000pF 12000pF	p67	p67	p67	p67	p67	44.	400	$\chi$ .C	Oh	p68	p68	p68	p68 p68	p68	44	- 10	J.		nA.	W			4/	/ Y	sī 19	90
15000pF			p67	p67	p67	W	Inc	~1	50	p68	p68	p68	p68	p68	W	18750	N.	CC	TATE	~T			3	W	No.2	
18000pF 22000pF			p67	p67 p67	p67		110	07.		p68	p68	p68			n68	p68	p68	- 0	$\infty$	· J.						
27000pF			p67	1567	ρο/	W	111	00)			T	N		Ń	p68	p68	p68	7.		$\Gamma_{\cdot}$	W					
33000pF 39000pF					<b>4</b> 1	N N	W.3	- 0	v.C	$O_{\overline{Z}}$		Ń			úΝ	1//	. 0	N.						ļ	p69	p69
47000pF							TN	700	3.0	-0	10.	N.			4.	11V	1.34	U P								
56000pF						W	A A	- 10	OY.		A.A.	ĹΝ			W	A.		p68	p68	p68						
68000pF 82000pF						1X	W	1.2	200	C	DIAN	T	Ń													1
		1						od 1	UU.		$\Omega$	1.2														
0.10μF 0.12μF							1 -																			1

Capacitance Table Part Number in the Part Number List refers to the page number printed at the bottom of the page.

#### $(\rightarrow \blacksquare$ GRM Series Temperature Compensating Type)

L×W (mm)				. 40		.0×1.2	25	1.//			AA		T11	00.3				3	3.2×1.6	5						
T max. (mm)	1.0 50	241	W	50	1.	35	MAR	10	N	1. 250	45 200	10	MASS	. 00	0.95	50	- 11	W	2000	10	000		.0		00	-
Voltage (Vdc) ap. / TC Code	50 UJ	COG	СН	SL	U2J	UJ	SL	10 U2J	UJ	250 U2J	200 U2J	COG		COG	СН	SL	U2J	UJ	2000 U2J	_	000 U2J	_		COG		H
0.10pF	23			-	320	7	-	320	N.	320	520		1	4.0	M.		520	23	520	200	520	330	320	- 550	520	4
0.20pF				-43	100		-0	M.					-15	134	V		W		. 1							i
0.50pF			- 11	1		N	CA					N/	44		003				N							1
1.0pF			AA.		111	10 >		M	7 1			4.4		$\propto 1$	On.									İ		i
2.0pF			~ % l	W			C	72	767	N		×	VV	4.4	. 00				W							1
3.0pF			V		<b>41</b> 1	00		10	1:7						Ing		a01									1
4.0pF	16.7				AN.		J.	JU <sup>p</sup>						4.47			U							1		- 1
5.0pF	MA				- 1	101	) >.		M.				41		110		<u>م</u> (		) Y							ij
6.0pF	-31			-21			~J	CU	77.	-41			<×1							N				į .		į
7.0pF	CAA			M		of 10	10 >		100	7.	1		717		<b>ST</b> 1				1.7							ij
8.0pF						N.F		7 C	DM		KI_				44.		</td <td></td> <td>_ (1</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>į</td>		_ (1							į
9.0pF		N				- T	00	2.		1.7					-11		) >		$\Lambda$							=
10pF					1	1/1/-		1			-XX			XX Y	/ / /		0		p70	p70	p70	p70	p70	p71	p71	Щ
10.5pF 11pF		77					10	) y.						N.	-1	111	W -		1	, J. '			1	1		- 1
12pF	12	-48			-31	N		N	C		T.			N.			003		p70	p70	p70	p70	p70	p71	p71	ď
12.5pF	01						st 1	30 >				1		- 1			00		701	<i>D70</i>	pro	pro	pro	p/ i	p/ i	٩
13pF	MATE	-<1				M			J C			N.		<	NÍ N		06		7	_ 1	W					d
14pF							- 41	100			100						10		A()	M.						1
15pF	ON		× 1			<1V	M.		J.	30		Kr			1				p70	p70	p70	p70	p70	p71	p71	i
16pF		$\Lambda$	44			14		10	7 -						77		31 A		- 01		0.2					7
17pF		N Po	-11			_ <b>4</b> 1	NV		~ \$1	CL	1	-11	1		41				1.0	92	. 10					i
18pF		- A 1	LAA			AA		41 T	JU			. 7					<b>XX</b>		p70	p70	p70	p70	p70	p71	p71	
19pF	(	My		κ.T			TIN	Mis		J C	OM.		(X)		<		11.		VI	JY-		No				1
20pF		- 1		N		V	4	-1	100	7.		1.1	A.A.				- 4 N		J		M.					1
21pF	-70	ON		-41			×101	M.		×7 (	ZO7	12	-XXI				NA		asi	Cr		.00				
22pF	X'			AA			MA		-40	17 17 .		A	1.44						p70	p70	p70	p70	p70	p71	p71	1
24pF	_7	40	NY.	<			-x1	NV	0.5	A 4.1	CU	MA	_ <1	1			W.			7 C	OF					
27pF	07.			LV			W	7.7	-14	002			1.1	1			1		p70	p70	p70	p70	p70	p71	p71	4
30pF	_	~(	Mr.		1			~1	11.		J C	$O_{IA}$		<b>A</b>						<7 (			-<1			-
33pF	007	.~			N			V V V	. < 1	100			17	777			///		p70	p70	p70	p70	p70	p71	p71	4
36pF	00	-1 C	ON	7.0	-31								N D	~ 1			<		n 70	- 70	- 70	70	m 70	1 74	74	i
39pF	400	7.4		. 1	W					-10	07.			7.77			777		p70	p70	p70	p70	p70	p71	p71	4
43pF	10,			Mrs.				- 1		10.30		CC	MAR	~<	(		<<		p70	p70	p70	p70	p70	p71	p71	i
47pF 51pF	. 40	05		- 16				W		-11	003	.~	100						ργυ	B70	ρλυ	ρ/U	ργυ	P/I	P/I	4
56pF	4.77			M					-KN	14.		KT (	Oix		-6 N				p70	p70	p70	p70	p70	p71	p71	ď
62pF		00								-1	400	7.	1	.13					<i>p.</i> 0		β.σ	p, c		<i>P.</i> .	ρ	٩
68pF	W.	-0	-7						-1	JW		- «T			~41				p70	p70	p70	p70	p70	p71	p71	i
75pF		400	1.		1	M			W		- 10	0 7.		- A.A.	1.					st 1	00.					٦
82pF			-		7/70				_1		10								τŃ	p70	p70	p70	p70	p71	p71	ı
91pF	4.	. 40	W.		- 5	TV			M	4	-11	00)		~					4	-41	100	-		$\Lambda^{\circ}$	4	٦
94pF	-11	1.77		. (1	)Mr		at T			-TX	1/15		×1 (	$O_{P_{\lambda}}$					a11			N			N.	1
96pF	111		007			T	N			11 11		100	1.		$C_{\Lambda}$				44.		110	ŊΣ.		$\Delta \Lambda$	F 4.	
100pF		<b>N</b> .	UV	- (		1.0	- 61			_ <		. r.	-7	$C(\mathbb{Q})$	Mrs				-41	p70	p70	p70	p70	p71	p71	_
120pF			100	1.		× 1	IN					-10	0x		10				1/1	p70	p70	p70	p70	p71	p71	=
150pF			To.		40	Mr.						1.2			MA		s.T			p70	p70	p70	p70	p71	p71	=
180pF			- 4 (	OX			TV						$\theta 0$				N			p70	p70	p70	p70	p71	p71	-
220pF		-31		,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	- 0			-6.1		1	- TAN			<1 C	012		3 X			p70	p70	p70	p70	p71	p71	4
270pF	1	NA.		00				W.				-7	100	7.0			. // /			AA.	p70	p70	p70	p71	p71	H
330pF 390pF		- 4	W.	W	- (	-01	1	-<1			-13	JAN	. 1.0	<1	00		-40			43	p70	p70	p70	p71	p71 p71	-
470pF	-			40	13.			4/1					-116	O.			J. A.					p70	p70	p71	p71	=
560pF			KIN	·TA		60	77.					KN N	1.2		7						KIN	p70	p70	p71	p71	=
680pF		W		, 4	105		_ =	4				4.4										-	p70		p71	_
820pF			× 11	1.1		10	DW.		<1			TXX.	W.		<1 (						411	N W	p71	ON	p71	ı
1000pF		V	1		.00	1.		11	M			14	_	400	7.		M.				AA		p71	U	p71	1
1200pF				W.	TAA	-16	401	7.	_41			_ < T	M		~ < T		TAY				- 5	W)	p71	.03	p71	
1500pF			$M_{A_i}$		40	17.		. 1	1.//			M		a 1	10 x		A 1				A		p71	00	p71	
1800pF				NV	'To		CC	Mr.		1		p69	p69	N.r			$\Omega_{M_2}$		N.		-	W	p71		p71	
2200pF			111	MA.		207			1	N		p69	p69	1	00.		-00		14			14.	p71	101	p71	4
2700pF				- K. T.	1. 1	0	70	OM		p69	p69	p69	p69	W.			OI		<b>41</b>			-XIX	1 11		~<1	4
3300pF			1	111		.00	V.V		T	p69	p69	p69	p69		40				. 44			AA		11	M r	
3900pF					W.	Too		40	17.	p69	p69	p69	p69		0 1		CO					- 4		100		4
4700pF				V		40	2.		- 4	p69	p69	p69	p69	1 1	×1 1				1.1				1	- XX	OU	-
5600pF						TA		de	Mr.	p69	p69	p69	p69	M	10.7		7 C			Δĺ.			JV	MAG		1
6800pF 8200pF				W	14 4		con				N	p69	p69	4 4	1	00	Y . ~		13	44			11.	-3	10	1
10000pF						1	0	7.0	ON			p69 p69	p69 p69	-10	W.		<1 (		-	- COM			- ST			1
12000pF					111		400	7.4		T A	M	p69	p69	p69	p70		97.			1.11			MA		x1 1	1
15000pF						M	Inc		-0	NA.	1	p69	p69	p70	p70		. < 1		MA	~<1			- 4	W	100	1
18000pF		p69	p69		WV		.40	M.		- 5	TAN	p69	p69	p70	p70		003		-21							j
22000pF		p69	p69			310	1.70		0	74		p69	p69	p70	p70		0									1
27000pF		, 55	- 30		N	M.		001	.~		TI	Ň	7.50	p70	p70		100		-	17	11					j
33000pF	p69	i					011	an,		M				p70	p70		TOO		·(O)	440						1
39000pF	2.50			p69	p69	p69	1	.00	1.5		- 11	W		p70	p70		. 40									į
47000pF				p69	p69	p69	-01	100		40	VI.					<1V	17.0							1		1
56000pF				,		XX	11		V	UU		NY			TN	p70	p70	p70								i
68000pF						AA	p69	p69	p69		44/4	7				,		,								1
82000pF						<\$I	p69	p69	p69	C		TOTAL	N													į
0.10µF						14	p69	p69	p69			1.7														1
0.12µF							2 K	NN		W/ (	<b>U</b> F															
	_					_	_		_		_											_	_			_

Capacitance Table Poo Each number in the Part Number List refers to the page number printed at the bottom of the page.

#### (→ ■ GRM Series Temperature Compensating Type)

L×W (mm)		List	JIS:	СК	CJ		Ans	05			N/	3.2×1.	6	00.3			TT.	P .	0						3.2×2.	
T max. (mm)		1000	6:	30	50	00	250	25	Ń		50	NW	440,	1000	630	500	250		.8	2	:5	1	6	2000	1.0	_
ap. / TC Code	U2J	U2J	COG		COG		U2J	U2J	COG	СН	SL	U2J	UJ	U2J	U2J	U2J	U2J	COG	_	COG	СН	COG		U2J	U2J	
0.10pF 0.20pF		_ <	N A	_ < 1	100	1.			M					140		-46	M	1.1							i	1
0.20pF 0.50pF			- T	411	0 3	N	CO					<b>100</b>					JE	177	N						1	1
1.0pF			AA	-15	J.19	10 ×	- 01	M					- 1	$\sqrt{1.1}$				102	-1						ļ	1
2.0pF						-00	7.U	75					AM			7.		. 1							1	1
3.0pF					<b>(1)</b>	UV			10 2	-<1		-		JV		<1	cO	Mr.							!	į
4.0pF 5.0pF						400	7.		A 1	W	1		44			07		A.								1
6.0pF					VV	.10	-7	CO	147.	-			-<1	101				) \		N						-
7.0pF				W		-11	101		10	IN	1		- 7/			00		10	1.7						į	
8.0pF				- N		N.×		7 C	DM.		N			JW		. 00	1.7	U.	- 1	W						-
9.0pF 10pF						<1.	100			1.7						30			11.						į	į
10.5pF				1	NN		400	1		E 17	W		1	W		- 10	107		24	TV					!	i
11pF						c V	TA		c()	$D_{I}$						1.7		7 C	DEAT		16.1				į	į
12pF		TV			(V)	14.	- 40	101			TV	1	į	1		J 1	00				N.A.				į	į
12.5pF							N.F		J. C	$O_{IA}$		- XI		_		M-		7	POD P		No.				1	į
13pF 14pF						1		00			13						10	7.		1						
15pF			«XI			XIV	W.		V.			N.						Vo.	CY		TV				į	į
16pF		$L_{\rm M}$				44		10	U >	~0	M.					1	$\sqrt{N}$		_ (4)	2//		-1				
17pF			~1			<b>W</b>	NN		N	Cr		1				M		00	7.0		T					
18pF		M	1.			7	- 1	NA	no.	- 0	$M_{\mathbf{G}}$		- 1			-750	W.	700	-16	10	100	- 3				į
19pF 20pF			77			4	IVV		100	Y.V		77	W			MA		10	17.		VV.	LAN				-
21pF		ON	10				-153	M.	700	-7	0.		- <b>S</b> I			-11	NY	1	OSI	CO	TAS	-01				į
22pF			17						- 40	020		41	1777					x11	20 >		M				1	1
24pF		40	NY.	- <1				NV	1.20		C	DAY		1				11.	~~	J.C	Or.		N		!	į
27pF 30pF				1.//					-xi-1	900		aN		`				αŃ.	700	- (	- O	$\Lambda$ . $^{1}$			į	i
33pF		C	) W		V.		<		NA.		7.C	OF S	- 1	W			NV		40	1			TY			1
36pF				1.1					W	100		40	17.	-1			-	NI	.70	×1	CC	Mr.	- 41	T.		į
39pF		V.C	O.		W					40	MY.			11/1			W		-14	207		-		N	!	1
43pF			40	$\sqrt{100}$				1	JIV	1.70		~(	$M_{T^{*}}$						11.7		a C	OM		N.		
47pF 51pF		MY.		~ 6				N	1	-11	00	.~							-3	100		- 0		77.7		i
56pF						k1			TON	M-		V (						511			V.			M	!	-
62pF		00		~						~ 1	100	1		$\Lambda$				1	-11	1.10	0 -	40	M.	1		į
68pF			<7 C	Oz		αN			OIN.			N.	$\mathbb{C}^{\vee}$					N			کمہ				N	
75pF		101	17.			. "				- K	138	W F	736	M		- 7			- 1	W.)	00	- C	ON		l-si	į
82pF 91pF			W.	CV		αV			W			005									*00	17.		p72	W	i
94pF		V 34	W >	<u>~</u> (	11/1					-<51	449	WV.	-4 C	ON		-41			-11	14	10	~1		N.Y.o.	_<5	
96pF			00			T				1/1/		100	X.						A.		110	Or.		. No.	T.A.	į
100pF		W.	LUV	-16		10	- 51			-15	JW	270	~57	c0		- 1			- 1		1	~	C7	p72		d
120pF 150pF			100	1.		1						111	10 20								111	OU.		p72 p72	1.7	
180pF		NN		~5]	CO	1	TX.			< X	W	1	~03			- 1	Ń			VW		. 00	1.	prz	1 T	ĺ
220pF			1 A			M						W.	$\theta \theta =$								M	20,	-7	$\sim 0$		
270pF			1	200	7.C	Jy		N		<b>*</b>	VV		400	1.		- 11	W			V		- 40	OX.		-1	
330pF		_	ssi.	W.		101	7.2	-7				AT VA	T) TA	-7		Mr.					QI.	N.F		- C(	DIX	1
390pF 470pF		p71		A 0.	1			N.					1.00	OX.		- 1	TV					- T	$\theta \sigma$			
560pF		p71	KIV	.70	-7	CQ.	Mr.				_ <	W	N-M	_		92		N		<	UV	11.	-0	V.C		i
680pF		p71	p71	J 1	p71		- 10	TV	1				-31	00			1.3					-	707		40	Ī
820pF			p71	Nor	p71	7 C	$\Omega_{M_2}$		XI.		-	KIV	$AA \cdot$	p71	V.			W				N.A.		Va		į
1000pF			p71	- N	p71	1		$\mathcal{L}\mathcal{L}$	4.4				KINA	p71			M.				1	XX X	177	10		
1200pF 1500pF			M	44.		V.	201	- 1	W			W					_ (	T			1	14	J-7 1	00	p72	
1800pF			4.4	TIN.	.10	J	CC.	Mr.		1			<b>331</b>	V.7		10	OM		161			XTX.	W.		p72	
2200pF			W	1/1/		100			m		1							T	W				- 1	10	p72	=
2700pF	p71			p71	I.V	p71	10	ON		<b>41</b>			. TX	W.		×7 (	407		<b>***</b> I			1111	AM	0.2	~5/	-
3300pF 3900pF	p71 p71		V	p71		p71	N. V	-	LI	M			MA		p71	p71		M	1.4.			1/4	-75	vi.1	JU z	1
4700pF	p71			-111		70	<1		N De	-<1			esti		p71	p71	Cr	77.	-01			10			~	1
5600pF	p71			M.		10	0 >		M.			-		-11	N.A	U		M					-3	W.	700	
6800pF				40X	MA		p71	p71	12.		N		1	W		.00	V.U		. 1	N			MA		40	
8200pF				1		<b>VI</b> 1	p71	p71	ON	1.0 Jr						Too		401	1.					VV	"In	į
10000pF 12000pF				N)	W	4.4.	p71 p71	p71		T 1	W			W		40	97.		n A	CM			M		k1 1	í
15000pF						W	1071		-0	100	_<1	1		-21		27.0	p71	CC	IN To	_<0				W	N . 2	
18000pF					W		110	07.		AA'	J.M			W		x1.1	p72		M	17.	1					į
22000pF						ON V	1.2		CS	Mrs		11		<1		14.	p72	J.C	OF		W					1
27000pF					W	4.	311	00)								roti.	100			1.7	4					
33000pF 39000pF					-	UNN	M.,		VC	O PA		W	!		N	1 11									!	į
47000pF							- CA	106	p71	p71						- TV	130	U								1
56000pF						W	11		p71	p71		TV				W.										i
68000pF						1	-15	137	, V	<u>a</u> (	p71	p71	p71				1	p72	p72						1	
82000pF						W	W.		003	1.00	p71	p71	p71					p72	p72							į
0.10µF							TEN	W.	No.	-7.0	p71	p71	p71					p72	p72	270	p.70	0.70	p.70			į
0.12µF						. <	10.	1	700	100	1	1								p72	p72	p72	p72		1	1

Capacitance Table Poo Each number in the Part Number List refers to the page number printed at the bottom of the page.

#### $(\rightarrow \blacksquare$ GRM Series Temperature Compensating Type)

p00 ← Part Nu			JIS:	СК	C1		×2.5		JJ	,	A: C0			×2.0		-	4.5	×3.2					5.7	×5.0		
T max. (mm)	_	1	.25	N.A	ALL D		.5	• 7	-7	2	.0			.0	-10	1.5	4.5	Z	2.0			1.5	3.7		2.0	
Rated Voltage (Vdc)	_	_	_	500	1000	_	500	250	1000	_	500	250		50	1000	_	500	1000		500	1000	_	500	1000	630	500
Cap. / TC Code	U2J	U2J	U2J	U2J	U2J	U2J	U2J	U2J	U2J	U2J	U2J	U2J	COG	U2J	U2J	U2J	U2J	U2J	U2J	U2J	U2J	U2J	U2J	U2J	U2J	U2J
0.10pF		1	A VV		100	1		1	N			(1/1)		-40	02.		A									
0.20pF					Ta		dO	Mrs.		-				Nº7		F C	)MA		KI.							
0.50pF 1.0pF					111	07		La.						×11	00											
2.0pF					1		7 ()	77.						AA	- 0	V.C			W							
3.0pF			M		- 1	00		10	1.7					-1XN	70		0	M.								
4.0pF				W	MA.		<b>V</b>						011	M M		No.	V		TV							
5.0pF	N.					101	) }		M.				p72	15	4.77	10 -	. 00	M								
6.0pF	oxiv.			NAT.			J.	CV	2				1			00			1							
7.0pF 8.0pF	7 7			77	-<	13	JU >		18			i		260	W.	UV	-7		100	~<1						
9.0pF		ĺ.			W		00			T 1	N		1	N		400	3		X (1)							
10pF						W.	TAL	- (	I(0)	10	-41		p72	p72	V	٠٠٠	<b>4</b> 7	CO	ZAS	- 4 1						
10.5pF	- 1	N					10	17.		- K		-		MA		kt 10	101		No	IN						
11pF	100						To		C	ZAT-0						11.7		7 C	DEAD							
12pF					11		1	101		- 1	TV	1	p72	p72		L (1	00	3.0		17	M.					
12.5pF	M		1				N.Y		7 C	2//		XI.			XI VA	M.	- 6	V.	LO E		N.					
13pF 14pF							- < 1	00			13				14.	-<0X	10	3 2		1				i		
15pF	ON		× 1			TIV	11.		<b>I</b>	30		NZ.	p72	p72	1X			N	C		TV	İ				
16pF		TCA						10	3 > 1		M.					-11	VAV									
17pF	CO	1	~ XI			< XI	NA			Cr	924				17	W		00	I.U		- 1	N				
18pF		M	1.44			44		x1.1	n ,		$M_{C}$	17	p72	p72			W.	$I_{\Omega_{\Lambda}}$		101	17.7					
19pF	C	DEVE	100	N		- 1	W	1		V.C	0-	-11	N			NV		10	14.		2 1	W				
20pF 21pF								TÁ.	TOA		-01	17.7	_ 4			1	XX	Ta		CC	Mr					
21pF 22pF	7.0	TO B	- 10	W				1		1			p72	p72				-14	101		- n 1	TV				
24pF		40	M.					XIV	1.70		d(	DAY.		1			XX	N.		7 C	O.M.		<b>*</b>			
27pF	ON.						W		- 4			- 1	p72	p72		V		-41	100			$\Lambda \Lambda$				
30pF	0	00	M	1	-1				11.7		70	$O_{N}$	L.º	-«T			×10	M.		-J	CO		~XX			
33pF	کمم		1		N					.00	Y		p72	p72					10	9 >.		A				
36pF	000	-10		100				-10	IN		~	30)	- 70	70			<1	N	0.5		C	371				
39pF 43pF	400			LA T						110	77.		p72	p72				1	oxi A	00.		ON				
47pF	. 10	- < 7	CO		- 44			-31				C	p72	p72	V				44.0	. 00	V.C	0	- 1	W		
51pF	c11(	107	1	LAA				- 11		<b>ST</b> 1	00			102					TAN.	700		401	17.			
56pF	102					KÍ.		<	IN		~0	V.C	M.	p72	W			MV					- 1	11/17		
62pF	- T	00	1							-31	100			$\Lambda^{\circ}$					×10	1.70	0	00	Mr		7	
68pF	$M \cdot$		7	$\mathbb{C}^{\vee}$		41						W.	$\cup$	p72				N	M.		000				N	
75pF		10									1.33	W 1	~(	- 70	32	-1			~		100	-10	OM		><1	
82pF 91pF			Vo	CV		TV			W	W		oo?		p72		N			111	7	HOO	3.			W	
94pF		VA.	W P							-31	1/10		- 0	ON	1.0	-«1			~1	14	10	- < 7		1		
96pF	W		00				N			N.		400	X.		7	W			W		110	107.		1	2.11	
100pF		W.	LUV			10-	-1			- 4	TW	"Jran	-7	p72	Mr.	-3			-41		10.2		C			SI.
120pF	NV		100			1						- 46	OX		-1	TV			M		-311	00)				
150pF		c15	770	Ĭ.	40	17.						1/10/20		10	Distr		1			W	14.00		V.C	OP.		W
180pF 220pF	p72 p72		- 4	107		~ 1					77.7		00.								-30	400	-	~ ~	$M_{ij}$	
270pF	p/2	KN	N.V		7 (	970					KT VÁ	M.		KV C			TAX.			KOV N			oV.	CV.		TV
330pF	1			00								-33	10		~ 0	M.					-415	133		. ~0	MA	
390pF		KI V	M.		×7 (	100		N.			KXI X	11		V	C		TV	į.		1	M.		00			T
470pF				10	0 > .		M.						dM	JV -		$M_{C}$	. J.					W.	UV		ON	
560pF		- ST				CA	74.				<		1 7 7	00	7.0	<i>D</i> *	-1			-	MAN		100	7.4		1
680pF				xi 1	DU >								W.	MA		101	1.0 2	-1			- 7	(IN	TA	-7	c0	Mr.
820pF 1000pF			IN		00	17.U	J-							100	1.	2		de			11/1		-140	073		A.A.
1200pF		p72		IN	Jun			1	- 7				KIVÍ	70		CO	Mr.	_				W	1.7	_ <	7 (	PIAT
1500pF			WV		p72	1.		. 15	144			W		J 40	101		- n A	$\mathcal{I}_{\mathcal{N}}$					-41	00		
1800pF				NV	1.70		CC	Mr.	p72	T		_	NT.	Nºr.		7 C	$\Omega_{IA}$		N			W	11.		V.	$\mathcal{O}_{\mathbb{P}}$
2200pF			W	N.	-7.4	207			p72				4,	-31	100	1.0		(1)	1			14	-15	101	12.	
2700pF				M	1.13		10	$OM_1$		<b>1</b>		1	111	M.	p72	1			N				AA		1	UU
3300pF 3900pF				1 4	-1	100	1	- 1	1.1	44			14 4		p72	7 7.	~0	p72	7			4.4	_ < 17	N.33	JV -	. 0
4700pF				311	N		<1 (			a N			4M			M	C	p72	TV			V	11		an	
5600pF			p72	p72		10	ŊΣ.		M	7 1		1	44	_ 75	NA	00.	d		. >		p72			W.	Inn	-16
6800pF				~ K	MA	p72	p72	C	120	X	Ñ.		<b>1</b>	144		.00			. 1	V	p72		$M_{A}$		400	12/2/
8200pF				- AN		×11	00.		NO	p72	p72				N.	Too			1.1					p72	'Ta.	
10000pF					IN	14.	- 00	v.C	$O_{P_{\ell}}$	p72	p72			WW	1 4 4		V.	٦٧,		W			W	p72	-7.4	102
12000pF						-XX	100		~~1	1.7				1		p72	p72	CC	M.						1.1.	
15000pF 18000pF					MI	177		N.	Y		ON	1		W	MA A	4	003	· ·	p72	p72				77		
22000pF					1	- TV	130	V	01	M	3-	1			787		U	7.0	p72 p72	p72 p72	cs1					
27000pF					IN	W		p72			T	N		V	111		100	7.	212	112	M	p72	p72			
33000pF						_<1	W.)	V	, ,	ON		p72			-10	W	1	271	10	100					p72	p72
39000pF					1	M		400	X.		1	p72			M,		110	01.							p72	p72
47000pF							M	Tag		40	Mrs.	p72				MV	Pre								p72	p73
56000pF								. 40	OX.		- 6	CM			W	4.4										
68000pF							N.	1.77		d	$\mathcal{I}_{NT}$		N.I													
82000pF 0.10μF						1	77	J 1	00		~~															
0.10µF							TI	W-1		<7 C	O															
						_	- Total - 1																			

WWW.I

p00 Each number in the Part Number List refers to the page number printed at the bottom of the page.

#### ■ GRM Series High Dielectric Constant Type

L×W (mm)			N N	0.4×0.	2	1 C(	$OM_T$	, b	<b>4</b> 1			TXV	$M^{-1}$	(	0.6×0.	3	I.o	XXI						1.0×	0.5	
T max. (mm)		N	144	0.22	100	1.0		T	MA			1	- TXXI	100	0.33	a01	$N_{i,j}$	. 7						0.2	22	
Rated Voltage (Vdc)	16	-	10	6.3	. 00	4	2.5	.5	0	35		25	14.	- 40	16	CO	1	0		6.3		4	10	6.	3	4
Cap. / TC Code	X7R	X7R	X5R, B	X5R, B	X6T	X5R	X6T	X7R	В	X5R	X7R, R	X6S	X5R, B	X7Δ, R	X6S	X5R, B	X7∆, R	X5R, B	X7R, R	X6S	X5R, B	X6S	X5R, B	X6S	X5R, B	X7
100pF	p74	p74	p74 p74		vi 19	10 1		p75	p75		p75	111	1	$\infty$ .				7:7								
150pF	p74	p74	p74 p74	W.		00		p75	p75	N	p75	1		- <del> 1</del>		X.		N.J	M							
220pF	p74	p74	p74 p74		W.		<7 (	p75	p75	αN.	p75		ST V	M		αV.			TV.							
330pF	p74	p74	p74 p74		-138	10	7.	p75	p75		p75			TIN.		W -		M	, J	st T						
470pF	p74	p74	p74 p74	W		. 10	101	p75	p75		p75		M			00										
680pF		p74	p74 p74		W	11.7		p75	p75		p75		<	VV		. 00		OP	- 1	W						
820pF	T.A.	p74		N		W.	$r_{0\alpha}$		101	7.7						70,		cO	M							
1000pF	p74	p74	p74 p74	p74 p74	1		10	p75	p75	N.	p75 <mark>p75</mark>	i	p75	W.		KI 1			$N_{\ell}$	IN						
1500pF	17.	~XX	p74 p74	p74 p74	<xi< td=""><td>MN</td><td></td><td>p75</td><td>p75</td><td>Mr</td><td>p75 <mark>p75</mark></td><td></td><td>p75</td><td>17</td><td></td><td></td><td></td><td></td><td>) E</td><td>T</td><td>N</td><td></td><td></td><td></td><td></td><td></td></xi<>	MN		p75	p75	Mr	p75 <mark>p75</mark>		p75	17					) E	T	N					
2200pF	M.	T. A.	p74 p74	p74 p74	1	× 11	N.1	00 -	101	$\mathcal{O}_{M}$	p75	-s1	p75	p75 <mark>p75</mark>		p76	100	<b>~</b> 7 (	OI	10-	XXI					
3300pF		T	p74 p74	p74 p74			-41	100	1.0		p75	M	p75	p75 <mark>p75</mark>		p76	101	3.	-0	M.						
4700pF	Ob		p74 p74	p74 p74	4	NV	M.		V.	CO 7	p75	W	p75	p75		MA	p76 <mark>p76</mark>	p76 <b>p7</b> 6	p76 <mark>p76</mark>	~ 10	p76					
6800pF	-01	$\Lambda$	p74 <mark>p74</mark>	p74 p74	1		χV	70	- T	СC	p75		p75	p75		χÑ	p76 <mark>p76</mark>	p76 <b>p7</b> 6	p76 <mark>p76</mark>	$OD_{N}$	p76	N				
10000pF		A	p74 p74	p74 p74	1	W	N.	x1 1	30 x		p75	IN	p75 <b>p7</b> 5	p75		p75 p76	p76 <mark>p76</mark>	70a	p76 <mark>p76</mark>	10	7:7	4 1				
15000pF	C	)N/>	T)	p74		p74	W	14	. 00	$\chi$ .C	D-	- 1	N			p75 p76	1	p76 p76	M.	p76	p76	W				
22000pF			1.1	p74		p74	-137	W	Too	×7 (	40	1700	_ <b>x</b> X[			p75 p76	NV	p76 p76		p76	p76		J			
33000pF	X.c		1.3	p74		p75	M.		10	$D_{i}$	46	M.				p75 p76		p76 p76	90 x	p76	p76					
47000pF	oV.	CA		p74		p75	W	NA	4	OOY	.0		TI	N		p76 p76	M	p76 p76	00	p76		T	N			
68000pF	0	· c(	$\mathcal{D}_{M}$	p74	61	p75		TV	11.7		v C	$O_{Z_{i}}$		XXI		p76 p76	NV.	p76 p76		p76			W			
0.10µF	00)			p74	p74	p75	p75	N. Y.	TN.	p75	7.	p75	p75	p75	p75	p76 p76	p76	p76 p76	.70	p76	CC	$M_{I}$	p76 <b>p77</b>	p77	o77 p77	pī
0.15µF	. 00	V.C	, O 5	x 17	W			W	N V	- 10	01.		~ N '	LM			W	44	<1 1	007			TV	N.		
0.22µF	Tar	7	CO	Mr.	-43			- XI	WV	1.20		CC	DIAF					p76	14.00	p76	p76	p76	p76 p77	p77	o77 p77	pi
0.33µF	J 10	02		M	T.A.			44	_ <b>*</b> T	$\sqrt{3}$	UU-		ON						W	Inc	-1	10	Mr.	-431		Г
0.47µF	1	00	Į.C		T	N		1	111	-1	100	1.0		I.I.				MA		110	21.		·M.	$\mathcal{L}_{AA}$	o77 p77	
0.68µF	W.		(</td <td>O</td> <td></td> <td>XXI</td> <td></td> <td></td> <td></td> <td>IM</td> <td></td> <td>N.</td> <td>CO</td> <td></td> <td></td> <td></td> <td></td> <td>W</td> <td>MA</td> <td></td> <td>001</td> <td>C</td> <td>72.</td> <td>TT</td> <td></td> <td></td>	O		XXI				IM		N.	CO					W	MA		001	C	72.	TT		
1.0µF	ot N	10	1	00	M.				4.		1.11	V	· c(	M		<b>4</b> 1			τŃ	W.	00	s7 C	OD		p77	
2.2µF	1	14	OY	U	- 1				W	VIV	-311	00				N			A.	TXX.	100	7.0		$V_{J}$	4.	
4.7µF	W	1.7		7.C	Dis		N		<	W	//·	. 00	V.C	Or		W			W	111	- 40	OY.		- K		
10µF		W.	100		01	1.1	27				W	$II_{II_{I}}$	_7	cO					-41		1.37		C	$D_{L,r}$		1
22µF	NN		100	X.		M.	IN			W	1	J 10	01	- 6		IN			M	21	W.1	00		ON		
47µF		VV		W	CO	7.	TV			W			001	[.C						MA		100	N.C			V
100µF	1	**I	N.1	JV -	, (1)	DM	. 1	-s.T			TXX	W.	LUV	<1 C		1.				STI.	W	70		CO		70
220µF	W	14	-21	00	V		$\Omega$	W				-43	10	17.		M.						11	10 >	<u></u> ~(		) <u>-</u>
	1	NY	W	N.10	07. 1007	CC CC		TY	N N		V	NY	N.19	007	Į.C'		TY LT	N		1	NN	W.	N.10	Y.C	CO	M

p00 Each number in the Part Number List refers to the page number printed at the bottom of the page.

#### (→ ■ GRM Series High Dielectric Constant Type)

L×W (mm)				x 10	10	- 0	Me					-1	1.0	0.5		ON										
T max. (mm)		0.22	W)		00	1.C	0.3	TI	N			0.	33	400	A.	,0-	<u> </u>			0.	55					
Rated Voltage (Vdc)	4	4	2.5	5	50	2	A	1	6	10	10		.3	4	100	<del>CO</del> )	50	W	3	5		25			16	
Cap. / TC Code	Χ6Δ	X5R	X7T	X7R, R	В	X7R	В	X7R	В	X5R	X5R, B	A .	X5R, B	X6T	X7R	X7R, R	X6S	X5R, B			X7R, R	X6S	X5R, B	X7R, R	X6S	X5R,
100pF			14		of 1	07		M	YA			1		01.1	00			1.								
150pF			N.	W	1	005		D-1		N		<	IN		100	Z.C		1								
220pF				p77 <mark>p77</mark>	p77	TO V		O		~ X			1		p77	p77 <mark>p78</mark>	CO.	p78								
330pF				p77 <mark>p77</mark>	p77	100			M.	N.			144		p77	p77 <mark>p78</mark>	. ~(	p78	T	-1						
470pF				p77 <mark>p77</mark>	p77			C		W			W		p77	p77 <mark>p78</mark>		p78		N						
680pF		1		p77 <mark>p77</mark>	p77	1.7		7 C	$\mathfrak{I}_{M_1}$		N		<		p77	p77 <mark>p78</mark>	V.C	p78	- 11	W						
820pF		N.				«Ν.									TV	To		c0	$M^{-1}$							
1000pF		N		p77 <mark>p77</mark>	p77			17.		AK.	IN	:			p77	p77 <mark>p78</mark>	07	p78	$\Lambda \sigma_{r}$	TV						
1500pF		- <b>S</b> S		p77 <mark>p77</mark>	p77	M		N	$\mathbb{C}_{\mathcal{C}}$	17.	-00				p77	p77 <mark>p78</mark>	00	p78	O Pr		N					
2200pF		7.4.			A.	p77	p77	00 >		M		_ 7			p77	p77 <mark>p78</mark>	TA.A.	p78	OD	7.	- 31					
3300pF		T			V	A		p77	p77		$\Omega$				p77	p77 <mark>p78</mark>	100	p78		M.						
4700pF			(N		-	ΝV		p77	p77	CO		W			p77	p78 <mark>p78</mark>		p78	Co	. 6	TV					
6800pF		$\Lambda^{*}_{IJ}$						p77	p77	<b>C</b> (	$\overline{D}T^{\bullet}$		T			p78 <mark>p78</mark>	1.7	p78	7 C	$D_{M_2}$	p78	χĬ				
10000pF		A 1	LIN			N		p77	p77		M	T	N		V	p78 <mark>p78</mark>	XXI.	p78	1.0	101	p78 <mark>p78</mark>	A A	p78			
15000pF			T 1	N		1		1110	. 00	p77	Or	- 1	(N		4	p78		p78	V.		p78 <mark>p78</mark>	W	p78			
22000pF		ON	1.1	-<1				M.	Inc	p77	-'O]	17	-481			p78	NV	p78	الحم	CC	p78 <mark>p78</mark>		p78			
33000pF			$\Lambda \mathfrak{I}$						10	p77	40	$\Lambda n$				p78	p78	p78	00 r		p78 <mark>p78</mark>	F	p78			
47000pF		Ca		W				MA		005	C		TY			p78	p78	p78	00	Y.	p78 <mark>p78</mark>	TI	p78			
68000pF		· c(	W		6.1			TVV	W.		J C	$O_{Z_{A}}$				p78	p78	p78		<b>V</b> .	p78	120	p78 <b>p7</b> 9	p79 <mark>p79</mark>		
0.10µF	p77		p77	T					~XI	700	2.0	-01	17.7			p78	4	p78 <b>p7</b> 8	.10	J -	p78	M.	p78 <b>p7</b> 9	1		
0.15µF	. 00	$\sqrt{C}$	O-	. 1	W			W		- 40			- K 1				W	W.	×1 1	007		-01	$\mathcal{I}_{\mathcal{N}}$	p79		
0.22µF	p77	~ < 1	p77	Mr.,	- XX			<b>*</b>	W	1.7	~~	C	DIAZ		N			W	p78	p78	V.C	p78	p78	p79		р7
0.33µF	110	02.	- 01	M	7.				_<1	W.1	an		ØΩ.						W.	Inc	-7 (	0	17.	-41		
0.47µF	p77	007			T	N		1	111	- 1	100	1.0			W			W.		p78	01.		p78	$L_{IA}$	p79	р7
0.68µF	W.		<b>V</b>	Oz		αŃ				VVV		ωV.			TV			W	$M_{A}$		003	CA		TV		
1.0µF	p77	p77	7.	dO	M.				, , , , , , , , , , , , , , , , , , ,		p77 <b>p7</b> 7	p77	p77 p77	p77		s1				1.1	UV.	47 C	p78 <b>p7</b> 9		1	p79 p
2.2µF	A.	-140	01		-1	TV					-x11	00				N				-×XI	100		~O	$V_{J}$	V.V.	
4.7µF		1.5	- 03	7.C	Dis	70			<	W	111-	. 00	$\sqrt{C}$		- 11	W				111	- 40	OY.	~	_ (	W	
10µF		W.	00		01	7.7					W	III	- 1		Me					W	1.70		CC	$N_{Tr}$	- T	V
22µF			10	DX.		v. 1				W.		110	0x.		$\Lambda \sigma c$	IN					$\propto 1$	00,		ON	. 7	
47µF		VV	•	Vo	$C_C$	77.				V			003		7.					AM		100	7.7		17	W
100µF		× 11	1.7	30 -	7 (1	$\mathcal{D}_{M}$		-s1			e TXN	W.	.00		Oz	1.					VV		N.	CO		T1
220µF		AA		00								-43	101		. <del>co</del> y.c' yy.	M.				44	NV	131	U		$M_T$	<b>&gt;</b>

p00 Each number in the Part Number List refers to the page number printed at the bottom of the page.

#### (→ ■ GRM Series High Dielectric Constant Type)

L×W (mm)			VIX	1.70	<b>J</b> O -	700	$D I\!\! M T$	. *	«T		1.0	×0.5	M.)	700	<7 C	ON	7.0 -	TAX.						1.6>	<0.8	
T max. (mm)		W	44	0.55	00			T	M	0	.6	4	-XXI	0.65	F.	a01	$M_{i,j}$	0	.7					0.	.5	
ated Voltage (Vdc)		10	WW	111.	6.3	7.0	4	35	25	16	6.3	4	2.5	6.3	25	1	6	1	0	6.3	4	2.5	25	16	6.3	4
Cap. / TC Code	X7R	X6S	X5R, B	X7R	X6S	X5R, B	X7R	X5R	X6S	X6S	X5R, B	X5R, B	X6T	X6S	X5R	X6S	X5R	X7S	X6S	X7S	X5R	X5R	X5R, B	X5R, B	X5R	X5
100pF			W		v 19	10 x		M	J.V.				×1	$\infty$ .	00			1.7								
150pF			V	111,		00		7	T	N		1	AM		100	X.		13	W							
220pF	<b>≼</b> 1			CT XX	W.	LOV	<b>&lt;</b> 7 (	OD	1.0	αN			ST X	VW		N	CO	A	TV							
330pF	N.			M .	- 100	101	3.7.	a0	$M_{i,j}$	. "			41	-XIX	1.11	VV ×	. (1	M	7	«1						
470pF	W			W		- 40	VO		- 1	TV			V		-s11	00			T	N						
680pF	_			- 1	W	11.7		7 C	Dis		N		4	VV	111-	. 06	V.C	$\mathcal{O}_{P}$	- 11	W						
820pF	T.					W.	$r_{0\alpha}$		10	7.7					W	370	7	cO	M.							
1000pF	T			4	NN		10	Z.		an T				W.		st 1	101		M	IN						
1500pF	17.				<b>41</b>	MM		N	$\mathbb{C}_{\mathcal{O}}$	Mrs	-OV			V.	W	N.	001	C	Dr.		N					
2200pF	M				77	_ < 1	N.1	)n -		M	. 7	_1			- TXX	W.	100	-7	OI	7.	- XI					
3300pF			N		V	11	- 1	00			1.1	M					10	2		M.						
4700pF	$O_{[A]}$		κŃ		-	WW	M.		V.			N			W	NA		You	CA		TV					
6800pF	102						VIV.	JU	V	c(C	$\bar{N}^{p}$		T				1.7		7 C	$DD_{ij}$		si.				
10000pF			CW			W	M.	-1 1 l	10 X		100	TV	N		V		×XI	100		10	1.1	44				
15000pF	$\mathbb{C}^{\mathbb{Q}}$			Ú.		<1	W		00	v.C	02		W		-	NV		40	1			W				
22000pF			1.				- 1	W.	100	-7 (	~O)	17.	-31			-11	WW	.70	~ < 7	CC	Mr.	~3	11			
33000pF	<b>Y.</b> C		11	1			MA		-10	22.			LAA			11		v 1	20 >		M					
47000pF	J			Vin			₹XĬ	W		NO.	C		TI	N		V	W		.00	V.		T	W			
68000pF	0 -		M	7	- 1				$\sqrt{3}$	90.	-7 C	ODA		×1			<1V	W.	100	<b>⊲</b> 7 (	407	3.	-XXI			
0.10µF	007			T					- 1	100			$\Lambda$ . $\Lambda$					-100	10	9 >		M.				
0.15µF			p79 p79	-	W	p79 p79		ΝÝ			M.			ďΨ			W	11		007				1		
0.22µF	p79		p79 p79	-		p79 p79		21	NV	1.70		C	Mr.	-	sī.		< 1	W	11-7	- 0	J C	01		Ń		
0.33µF	- 10		p79 p <b>7</b> 9		IN	p79 p79		W	N.	osi 1	00)		V						τ(N)	100	7.0	-0	17:7	X X		
0.47µF	p79		p79 p79	1117		p79 p79			W		.00	Y.C	O × Y	T 7	W			W		-10	07.		~ 1 T	Ly		
0.68µF	W.		p79 p <b>7</b> 9	100		p79 p79			-1	JVI		<b>~</b> 7	cO	17.	_			× 3.1	W	120		C	Jiwa.			
1.0µF	_ < 1	p79	1	p79	M.)		p79	p79	p79	p79	110	97.	a(	M					-«T	N.	90.		080 p80	p80 p80		İ
2.2µF	AM		p79		p79	p79			W	AN	N V	00			p79	p79	p79	p79	p79	p79	100	2.		1		
4.7µF	(X)		0	7 (	DAY	19.	<b>%</b> I				p79 p79	p79 p79	p79	p79	100	N.				1	7	N.	CO.	( ) ·		
10μF			00			T.T	V.V.			4 4		770	10.0		1				44	01N	p79	p79	00	$\mathcal{D}_{\mathbf{A}}$	p80	p8
22µF	NV		400	V.C	O P		W			W	1 4 4	- 10	ON	~	- 1	TW			W	AA ,	ρ. O	NV.			100	PC
47μF				7	C.O	Mr	_<1			24	W	427			DIAT.				<	VV	M.	. 00	$\sqrt{.}$ C	$O_{N}$		K
47μF 100μF	W		x1 1 (	903		M	$\mathcal{T}^{V}$				V V	W.	<i>'00'</i>			7.7					IN	300		c0		
220µF	1		N.	00	7.C	JE		N		~	TV	N.V.	100	X.C		M 1	(A)			11/1	1	110	07.			
220µF			-41	W			100	1		1		-	TA	1	$A\Omega$	W. D.	1				×11	100			17.	: 1 [/



p00 Each number in the Part Number List refers to the page number printed at the bottom of the page.

L×W (mm)													1.6	×0.8												
T max. (mm)		1/1	0.55	- 1	100	1.0	To.	L.T	M			0.9	- TXN	101	17.	a01	$M_{i,j}$	. 7			0.95				1.0	
Rated Voltage (Vdc)	16	-1	10	1	6.3	250	200	100	50	)	2	25	1	16	oy.	1	0	6.3	25	1	16	1	0	50	3	35
Cap. / TC Code	X5R	X6S	X5R	X7T	X6S	X7R	X7R	X7R	X7R, R	X5R, B	X7R, R	X5R, B	Χ7Δ, R	X6S	X5R, B	Χ7Δ	X5R, B	В	X5R	X6S	X5R, B	X7S	X5R, B	X5R	X6S	X5
100pF			A		ot 1	101		M	ĨΛ				- 41	αĺ.	00		01	1.7	-1							
150pF			V	W		00		35	1	N	j	1	AM		100	X.		13	W							
220pF				410	W.	p80	p80	p80	p80 <mark>p80</mark>	p80			- TX	M		oV	$\mathbb{C}O$	A.P.								
330pF						p80	p80	p80	p80 <mark>p80</mark>	p80			N. N.	- 11	V.19	10 2	. ((	M	7	e 1						
470pF				W	WV	p80	p80	p80	p80 <mark>p80</mark>	p80			M			00				N						
680pF		ī			NY.	p80	p80	p80	p80 <mark>p80</mark>	p80	N		<	υV	W.		V.C	$\Omega_{h}$	- 11	W						
820pF						«Ν.	700		0	1.7					W	210		c0	M							
1000pF		N			WN	p80	p80	p80	p80 <mark>p80</mark>	p80	IN			W		st 1(	101		No.	IN						
1500pF		- <b>XX</b>			- (M)	p80	p80	p80	p80 <mark>p80</mark>	p80				<1	W		00	$_{0}$ C			N					
2200pF		7			1	p80	p80	p80	p80 <mark>p80</mark>	p80	. 7	-1			-138	W.	Tan	-7	OI	7.	- 1					
3300pF		T			V	N	-1	p80	p80 <mark>p80</mark>	p80	T	W			M		100	2		M.						
4700pF			«N			VV	M.	p80	p80 <mark>p80</mark>	p81		N			W	NA.	4.6	Vo	C		TV					
6800pF		$V_{i,j}$					TV.	p80	p80 <mark>p80</mark>	p81	M		T				1.77		7 C	$D_{M}$		.s.í				
10000pF		- K	CIN			W		p80	p80 <mark>p80</mark>	p81	Non	p81			V		XXI	100			1.1	44				
15000pF		1		N			W	p80	p80 <mark>p80</mark>	p81	OF	p81	N		-	NV	1	40			17	W				
22000pF		ON	1.1	1			41	p80	p80 <mark>p80</mark>	p81	'O!	p81	-31			-41	NV	.70	~\$1	$C_{\mathcal{C}}$	Mr.	~~~	Ú			
33000pF			11	W			MA		p80 <mark>p80</mark>	p81	p81 <mark>p81</mark>	p81	LAA			77		$\sqrt{\lambda}$	20 >		M	. 7				
47000pF		CO					W	WN	p80 <mark>p80</mark>	p81	p81 <mark>p8</mark> 1	p81		N		V	M		00	X.		T	W			
68000pF		<u>~</u> (	M		1			-XX	p80 <mark>p80</mark>	p81	p81 <mark>p81</mark>	p81		-31			<b>T</b>	W.		<b>J</b>	207		αŃ			
0.10µF				T	1			p80	p80 <mark>p80</mark>	p81	7	p81	1.1	44			44	~TV	.10	0 >	ac.	M.		7		
0.15µF		V.C	O.		W				p80	p81	p81 <mark>p81</mark>	p81	p81				W	A.	-7.4	002		- 0.1	11	N		
0.22µF			dO	M.					p80	080 p81	19070	p81 p81	100	-	KĪ		< 1	W	11.	- 0	v.C	ON		W		
0.33µF		07			T.			AN		ot 1	00		p81 <mark>p81</mark>		p81	p81	p81 p81		W.	700		-(O)				
0.47µF		~O^	C			N		1	VV	p80	p81	p81 p81	p81 <mark>p81</mark>	T 7	W			W		110	21.		-A (	LAN		
0.68µF		W.	-7 (	0)		-41			~1	INN	-	p81 p81	-	44.	p81 p81	p81	ĺ	<b>√</b> √	W		.05	C	) FAR	~X	N	
1.0µF		100			M.					p81	p81			M					-43[	N.	90.	-7 (	ON			
2.2µF			VO.	C		W			W		1	p81 p81		p81	p81 p81	p81 p81	ĺ			- 41	100	1.		p82	p82	ĺ
4.7µF	p80	p80	p80	p80	p80		16.1				W.		V C	Ů.		N.			p81	p81	p82 p82	p82	00			pi
10µF			OO			1.1					. TVN	301	7.	$\sim 0$	7/0			p81			p82	-	p82 p82			-k1
22µF		177.	400	N.	4	K 1	W		i			110	01		10	TW			W		ost 1	00)				
47µF		VV	70		CO	Mr.	_				W	11-72	<	T.C	Divis				<	W	11.00	. 00	V.C	UM	- 1	V
100µF		-15	v 1	903		M	J. 1.					W.	$r_{\theta \alpha}$	- 1	07	7.7	-41			-15	JVV	Tal	<b>*</b> 7	c0	N-	
				00		J -		N			4		100	5		W. 7						11(	0 7		πÁ	

Capacitance Table | p00 | Each number in the Part Number List refers to the page number printed at the bottom of the page.

			W	1.7	1.6	×0.8	$O_{I\!\! A^{\prime}}$	Lo =	Æ]		<u> </u>	JV	111.	10-0	<1.C	$0_{D}$	320	2.0×	1.25						
T max. (mm)		N		MN 0	<u> </u>	.0		1.7	NN.		0.7			700	) * "	aO	M.	- "	0.95	1					
Rated Voltage (Vdc)		25	VV		16	10	_	6.3	77.7	4	16	100		50	100 -	35	A Oral	25	1		16			10	6
Cap. / TC Code	X7S	X6S	X5R	X7S	X6S	X7T	X7T	X5R, E	X6S	X5R, E	X6S	X7R	X7R, R	X5R, B	X6S	X5R	X7R, R	X6S	X5R, B	X7R, R	X6S	X5R, B	3 X7∆	X5R, B	X6S
100pF	-7			- XI	11	V >	4 (	φM		- 1				$\langle V_{i} \rangle$	W	L (		102	-CAI						
150pF			N			00				4//				-XN	101	12.		$M_{\rm J}$	, W						
220pF	N			WW	W.		1	#OF		W			W		- 40	OX		- 1	TV						
330pF					VV	Ja		cC	Mr.					W	1.2		C	DIAT		N					
470pF	5/1/					x 1	100		M						χŃ.	00		40	7.7						
680pF		Ţ		4			00	V.C		T			1			100	17.		$\sqrt{1}$						
820pF	.0 >				XIV	W.		W.	107		N.			KN S			V	CO	N. P.	πV					į
1000pF	1.7	N			MA.		1,10	10 2	CC	M		1	1		25.1	1.7		7 (1	M		<b>4</b> 1				
1500pF	- N	W			W		×1 1	007		-71						-XXI	100			1.1	17				
2200pF 3300pF	Mr.		N.			W	Nº3		7.C	OM.	- 1	W			W	11.	400	1	W.		N/				
4700pF	ON		-1			_1	W	100	<b>47</b> (	103	17.				_	NŃ	170		ce	Mr.	-01				
6800pF								10	0		M.						N.3	30 x		M					
10000pF	30		cvi			W			M	.0	) » ·	p82	p82	i	V	W		00	1.			N			
15000pF	C(	W.	) ·	1				M.		J C	OM	POL	p82			NIV.	W.		< .	101	) Y	W			
22000pF			(I.)					XX	700		105	17.	POL				N V	.10		c0	M.				:
33000pF	V.C	O E	r Ti	W			W		10	03.		- A	p82 <mark>p82</mark>	,		N		<1 A	103			T			
47000pF	~ 1	CO	1	-XX			< X	N		-05	1.00			N			W	11.	. 00	V.C	ON	- 1	N		
68000pF	0 7.		M	7. 7				~ 1	W.1	900	7 (	ON		- 41			p82	W.	Inn	<1 (	0	17.2	~		
0.10µF	007			T					-41	100	N.		1.3				p82		110	0	<u> </u>	M			
0.15µF		₹/ C	OF		W							CY		TV			W	M.		001	.0		7	N	
0.22μF	70/		d0	M.						1.7		C	DEAT		KI .		<b>4</b> 3	W	M-	- 0	J.C	ON		W	
0.33µF	o 10	07		$\Lambda \sigma$	IN					ovi 1	100		p82	p82					τŃ	p82		-0			
0.47µF	1	003	į.C			N		1	VV		100	X.		17	W			W		110	0x		10	LA	
0.68µF	W.		<7 C	07		- XI				M	13.00	V	CO		σŃ		p82	√N	W	p82	200	C		1	N
1.0µF	-733	100	7		M.					-XTX	p82	0,	. ~(	p82 p82		e T	p82		-XN	41.7	00	×7 (	ON	10	k 1
2.2µF	p82	p82	OX	p82	- A	TV			V		-<1 1	00		p82 p82	p82			p82	p82 p82	p82	100		p82	$\Lambda^{1,1}$	
4.7µF	W	p82	~ 03	1.C	Dis		N		4	W	111.	. 00	V.	,OF	- 1	p82			p82	14.	p82	p82 p82	p82	~ 5	W
10µF		W.	p82	- (	p82	p82	p82				JW	T/A/		CO	Mr	- 1	]		p82 p82		1.5	p82 p82	2	DIAM	p82
22µF	N.		10	Z.		M.	111	p82 p82	p82	p82 p82	2	v 19	101		$M_{\ell}$	T.A.			77		ov.1	00		p82 <b>p</b> 82	1. Y
47µF		NN		W	CO	W .	1	N		V	W		00			T	N		1	AM		100	17.		.17
100µF		<b>*</b>	1.77	30	7 C	$\mathcal{D}_{M}$					KTV.	W.		<b>V</b>	07	1.	αN				M	. 1	N	$\mathbb{C}_{O}$	
220µF	1	WW	- 1	00	1.		13				M	- XX	10'	) }	40	M.	TY					1.1	100	7.CO	DDV

p00 Each number in the Part Number List refers to the page number printed at the bottom of the page.

#### (→ ■ GRM Series High Dielectric Constant Type)

L×W (mm)			TITE -	Nº77	J -	100	DIAT	0 -	<u> </u>			TXX	2.0×	1.25	SI C	Oh		KX.								
T max. (mm)		0.95		-x1 1	100	1.		1.0	13			M	, XI	100	) 7	_ 1:	.35						1	.4		
Rated Voltage (Vdc)	4	4	2.5	250	200	100	50	35	1 2	25	1	16	100	_ 4 1	0		25	TW	1	6	100	50	2	25	1	16
Cap. / TC Code	X6S	X5R	X6T	X7R	X7R	X7R	X7R	X6S	X7S	X6S	X7S	X5R	X7R	X7R, R	X5R, B	R	X6S	X5R, B	X7R	X5R, B	X7R	X5R, B	X7R, R	X5R, B	X7R	X6
100pF			111	L	v 19	10 7		M	77.				- 1	$\infty$ 1.	00		00	1.1								
150pF	1		V	AN I		00				N		1			100	1.		1.7	W							
220pF	<b>S</b>			ON.	W.		(</td <td>OD</td> <td></td> <td>αN</td> <td></td> <td></td> <td>ST V</td> <td></td> <td></td> <td>W</td> <td>CO</td> <td></td> <td><math>\sigma V</math></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td>	OD		αN			ST V			W	CO		$\sigma V$							
330pF	N.				-138	101	) 7.	<u> </u>	M.	- 1				< XIX	V.11	W -	. (1	DIV	7	«1						
470pF	W			W		. 10	101		- 1	TV			1/		L 31 1	00										
680pF		1		< 5	W	11.2	~ 0.3	z.C	DM.		N		<	VV	111.	. 00	V.C	$\mathcal{O}_{P}$	- 11	W						
820pF	7.					W.	700		10	7.7					UN	To.	-7	cO	77-							
1000pF	T	N		p82	p83		10	Z.		17	11/1					sī 1	101		M	IN						
1500pF	17.	-XV		p83	p83	MM		No.	Cr	M	TV			1	4//		00	Ţ.C	D =	T	N					
2200pF	M.	7.	-	p83	p83	~XIX	N.1	30 -	7 (	OM		<b>*</b> I			AT XX	W.	Tag	<b>&lt;</b> 1 (	0	7.	~X					
3300pF		T	N	p83	p83		-41	00			I.T					- 41	10	) }-		M.						
4700pF	Oi.		N	p83	p83	NV	MA.	. 00	V.	CO,	- T	W			W	NA		OX	C	- 16	TV					
6800pF	-01	17:7		p83	p83		πV	70	- 7	cC	Mr.		1			W	1/17	0	ı C	$\mathcal{O}_{N_1}$		N				
10000pF			LIN			W	1	xī 1	90x		M	TV	p83		\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\		«Ν.	700		100	1.7	N 1				
15000pF	C			N		V	W	N.	. 00	V.C	Ob	1	p83		4	MA		10	74.		AK "	W				
22000pF	7 0	ON	1.7	-«1			p83	W.	TOO	×7 (	O	17- >	p83			***I	WW	.10		$C_{0}$	Mr.		į.			
33000pF	X.C		$\Lambda$ 3	M			M.		10	0,70	- 06	M	p83				- 41	N.1	20 2		M		7			
47000pF	N.	CA		W			W	NA		M	.0		p83	p83		V	IN	1	00	Y.		TI	N			
68000pF		<u>~</u> (	$\overline{M}$		6.1			τŃ	W-7		J C	$O_{Z_i}$	p83	p83			πV	W.		V.(	201		σŃ			
0.10µF	002		00	T					~N	700	7.	-01	p83	p83 <mark>p83</mark>			N .	XIV	.10	0 -	CC	M.		1		-
0.15µF	. 00	V.C	,O's	. 1	W			W		- 10	OY.		~ K 1	p83	p83	p83	W		×11	001						
0.22µF	Tar	- <b>=</b> 7	CO	Mr.	-43	p83		< \$1	W	1.20	- ^<	C	DIAF	p83	p83		<b>1</b>	W	14.	. 00	V.C	$O_{P_s}$	- 1	W		
0.33µF	110	02.	- 0	M	T.A.	p83			- 41	$\sqrt{1}$	00.		ON	7.7					W	Ina	-71	40	17.0	-<1		
0.47µF	4	007			T	N		1	111	-1	100	18		p83	p83			W		10	p83		M	$\mathcal{L}_{AA}$		
0.68µF	M.		<7 C	$O_{Z}$		αN.				IM		ωV.	CO		p83			W			001	C		<u>~</u>		
1.0µF	TXN	101	7.	a0i	M.				4.7	TIV.	1.77	V	~C(	M	p83 p83				TXN	11.7	00	s7 <b>(</b>	p83 <mark>p83</mark>	3		
2.2µF	11.	- 40	VO.		- 1	TV					-st 1	00			(L)			p83	p83	-41	100	p83 <b>p</b> 83	p83	TJ		
4.7µF	W	N.7.	_ <<	7.C	Dias		N	p83	p83	p83	p83	. 00	V.C	OF	- 11	W	p83	p83 p83	W	111	. 40	p83 p83	p83	- 5	p83	
10µF	p82	W.	100		10	1.	1				W	'Yaz	_ 7	$\circ 0$	Z/Ze,				_ 1	p83 p83	1.77	_	C	p83 <mark>p83</mark>		р8
22µF	NA		10	Z.		17	IN			W)	1	p83	01		M	IN			M		$\propto 1$	00		ON		
47µF	11 T	p82	p82	oV	$\mathbb{C}_{\mathcal{O}}$		TV			₹Ñ	11/		00		72		N		<	VV		100	1.7			V
100µF	1	×11	1.7	30 -	10	DIV		×1				W.	UV	×7 (	OD	10-	- X			NIX.	W	370	N	CO		- T
220µF	V		-1	00			$\Omega$	W			1	-01	10			M.					-1	1.1	V -	~(		1

Capacitance Table | p00 | Each number in the Part Number List refers to the page number printed at the bottom of the page.

#### (→ ■ GRM Series High Dielectric Constant Type)

L×W (mm)			- 11	1.10	10 -	COI	VI.		. 1				2.0×	1.25	-1 C	ON	1.	-81								
T max. (mm)		W	1.	.4	OOY	. 1	N	TV	V			NN	- 1	100	X.	1.	45	11								
Rated Voltage (Vdc)	10	) <	6.	.3	4	2	50 2	200	5	0		35	NA	40	25	CO		16			10		6	.3	4	4
Cap. / TC Code	X7R	В	X7R	X6S	X7U	X6S X	7R >	K7R	X7S	X6S	X7S	X6S	X5R	X7S	X6S	X5R	X7S	X6S	X5R	X7T	X6S	X5R	X7T	X5R, B	X6S	X5F
100pF			W		ct 10	01		M	LA			AN	-1	x 1	00			1.7								
150pF			N	MI	1	001	Ch			N		1	AM	*	100	X.		v J	W							
220pF	-s1			. TVN	41.1		, d	O <sub>Z</sub>		«XI			<1X			W.	CO									
330pF	W			W.,	-XX	100)		10					N.	- 11	V.19	O F	-c(	M	7	e 1						
470pF	W			W		. 400	X.			W			W			00										
680pF				- N	W	1.70		C			N		<	VV	///	. 00	V.C	$\mathcal{O}_{P}$	- 1	W						
820pF	7					V.10	)V >			7.7					JW	JW	7	cO	77-							
1000pF	T	N		1	NN		00	7.4		M. 1				W)		KI 19	10 x		$M_{c}$	IN						
1500pF	13.0	XX.			<11 T	111.		V.			πV			11			کوم	$C_{0}$			N					
2200pF	$M_{i}$	F	7		1	an N	30	0 -		$\mathcal{I}_{M}$	. >	<b>*</b> 1			~TXX	W.	TOO	<b>≪</b> 7 (	Oz	1.	NX.					
3300pF		TV	N		1			00)			$\Lambda . \Upsilon$						10	3 > .	40	M.						
4700pF	$O_{N_{1}}$		N		40		N	. 00			- 1	W			W		. 40	OX		- 6	TV					
6800pF	-01	1.1				- 1	1	'n		СC	Dr.		1			w	N.2		7 C	$O_{Z_{1}}$		N				
10000pF		1	$L_M$			p	83	p83		•	Mo				N		W.	100		101	7.7	1				
15000pF	.CY	171-	47	V		p	83	p83		V.C		1	N		1			40				(M				
22000pF	7 C	ON	L . >	<1		p	83	p83		<7 (		N. S.	-XV			<b>T</b>	NN		N	CC	N.	TV				
33000pF			$\sqrt{3}$	41				40		0 >	40	$\Delta \Lambda$						$N_{\rm J}$	30	10	ON		- 1			
47000pF	1.10			M		4	NN	7 7		007			T	N		V		- T	100	7.		1.1	N.			
68000pF		C	$D_{L,r_{r}}$					W			v.C	$O_{N}$		W		-	MV	111		N.	Ο,		W			
0.10µF	00 x	•	ON	[,]						700		~O <sup>1</sup>	17.7					WV	To	~ 1	CC	Mr		1		
0.15µF	400	1.4		T.	W		_ \			140	0x.		$\Delta \Lambda'$				10		$\sqrt{1}$	205		M				
0.22µF		~ T	CO	ME	W			W)		N	003	C\	7	T	N		V	IN		.00	X.C		17	V		
0.33µF	1.77	V ×	-00	M	7					$\sqrt{1}$	UV.	J. C	ON	1.0 2	s N			o V	N	70	V	CO)	13.	~ (1		
0.47µF	- T	007				V				- T	100	17.00		M	N. I			AA	-11	10	O P.	00	M	7 1		
0.68µF	11.	400	$\sqrt{C}$	Ob		N				1 4	- 10	OV.	υV	- A				W		×1.4	000			T		
1.0µF	W.	Tag	_<1	cO	Nr.					QVV	1.1		C	DIAT		N			W	M.	400	V.C	Oh	< 10		
2.2µF	1	110	02	01	M	$T_{AA}$			1/1	1	<1.1	00			(',7'	-41			-13	M	707	7	d0	$\sqrt{V^{*}}$		
4.7μF	p83	7 4	003			TI			p84	p84	p84	100	1.1	p84		W					110	0x.		M		
10μF	p83	$N^{\circ}$	p83	VA	$O_{N_1}$	00	N				W	p84	p84	p84	p84		p84		44	0//	11		U	J = 1		
22µF		p83	101	p83	p83	p83				N.	01	1.77	0	- (1)	M	p84	× 1	p84	p84	p84	p84	p84	p84	04 01	0.4	
47μF 100μF	W	4 4,	st 10	01	~		V				AA	KXI 1	(00)				N			4 4	TXN	p84	3.	p84 <b>p</b> 84	p84	р8
100UF I		(N)	Nº5	<	7 CF	Ma		T.		-		XX.	20.0	$\checkmark$ .	O <sub>2</sub>		W				N.	0	OY.	$\vee$		

p00 Each number in the Part Number List refers to the page number printed at the bottom of the page.

			TIT	N.T.		100	DIAT		×I			IN	3.2	×1.6	XI C	OF		W								
T max. (mm)		1	0.	.95	100	X.	1.0	T.	N.A.		1.25	N	TXX	700	1.3	401	$M_{i,j}$				1.8					
Rated Voltage (Vdc)	35	25	16	10	6	5.3	630	1000	630	250	200	5	0	25	100	1000	630	250	200	100		50		:5		6
Cap. / TC Code	X5R	R	X5R, B	X5R, B	X6S	X5R, B	X7R	X7R	X7R	X7R	X7R	X7R	В	X5R	X7R	X7R	X7R	X7R	X7R	X7R	X7R	X5R, B	X7R	X5R, B	X7R	X6
100pF					11	10 >		$\Lambda \alpha$	T.			- 31	- 41	$\infty$ .	00		OV	7. 7	- 51							
150pF			V	M		.00				N		1	1111		100	1.		$\Lambda J$	M							
220pF					W.		7 (	101		W			<b>W</b>	AVIN A		oV.	CV									
330pF					-11	10	0 2	40	M.					TIX	1.77		- C(	DM	, h	<b>5.</b> T						
470pF				W		- 10	101	p84	A.	TN					-s1 1	00.										
680pF		J		<1	W	11.2		p84	Dias		N		<	VV	Mx .	.00	V.C	O.	- 1							
820pF				N		W.	700		101	7.07					W	770		cO	Mr.							
1000pF		N		1	NN		p84	p84		M.	CAN			AN.		d 19	30x		M	J, N						
1500pF		σN			< <b>√</b> 1	W	p84	p84	Cr		$\pi V$			1			00	7.C	9-		N					
2200pF			-			- XI	p84	p84	7 (1	$O_{N_I}$		<b>-4</b> 1			«TXX	W.	LO	d	Oz		~XI					
3300pF		T			1		p84	p84	1.0		$\Lambda . T$						101	) }.	σ0							
4700pF			W			WV	p84	p84	V.	$\sum_{i} O_{i}$	- F	W			W	M.A.	. 40	OX	U	- N	TV					
6800pF		$V_{2}$					p84	70	p84	cC	Mr.		1			p84	N.T.	0.4	ı C'	Dis		N				
10000pF		. N.	IM			W	p84	x1 1	90x		Mo	JA			N	p84	N.	700	). ·		1.7					
15000pF				N		V	IN		.00	p84	p84	. T	W		4	W	p84	10	17.		. 1	IN				
22000pF		ON	1.2	_ <b>4</b> 1			-13	W.	Too	p84	p84	17.	-XX			*XI	p84	.70			Mr.	~V				
33000pF			13				W		10	27.	-00	M				W	-41	p84	p84	- 0	MO					
47000pF		CA		TV			W	M.		003	.0		TI	N		V		p84	p84	Y.		TI	N			
68000pF		<u>~</u>	$\mathfrak{I}_{M}$		ĸT			TV	11.	p84	p84	OM		cN.			NV	M	3- C				W			
0.10µF				(1)					TXN.	100	-	~O <sup>†</sup>	$\Lambda_{1,I}$				1	p84	p84	y >	~C	M.		Ť		
0.15µF		V.C	JO <sub>2</sub>	- 1	W			W	1	- 40	OY.		~ K '				W	W.	×1 1	007		~1		N		
0.22µF		7	CO	Mr.	-43			< % T	WV	1.20		C	MAR	~~~	N		<b>1</b>	IN	Mis		V.C	Ob	- 1	Ń		
0.33µF		p84	40	M	IN			1	_ «T	vi.)	00.		ON	7.5					W.		-7	40	17.5	-<1		
0.47µF		001	1.0		T	N		1	AM	1	100	p84		13	p84			MA			01.		M	$\mathcal{L}_{AA}$		
0.68µF			(</td <td>Oz</td> <td></td> <td>XXI</td> <td></td> <td></td> <td></td> <td>IN</td> <td></td> <td>p84</td> <td>CO</td> <td></td> <td>p84</td> <td></td> <td></td> <td>W</td> <td>MA</td> <td></td> <td>001</td> <td>C</td> <td></td> <td>1</td> <td>V</td> <td></td>	Oz		XXI				IN		p84	CO		p84			W	MA		001	C		1	V	
1.0µF		101	3.	0	M.				4.		1.10	p84	p84	M	3-	s1			TXN	p84	00	s7 C	$O_N$	L . F	< % T	
2.2µF		- 40	OY		- 1	W			W		-11	00)				N				-431	p84	p84		$\Lambda \Lambda$		
4.7µF		1.7		7 C	Dias		N		<	W	Mi	00	V.C	OP	_ 1	W			W		p84	p84	p84		p84	
10µF	p84	W.	p84 p84	1	0	7.7					σŃ	707		p84	M.						1.5	p84 p84	p84	p84		N.
22µF	MA		p84 p84	p84 p84	p84	p84 p84	M			W		of 10	01		$\Lambda \sigma c$	TA			1//	-1	$\propto 1.1$	00.		p84 p84		р8
47µF		W		W	Cc	1				<b>4</b> N							N		1	M		100	4.0		17	V
100µF		- ×11	N.1	90 z	. 0	DIV		-s.T			- TXX	W.	TO A	×7 (	OD	1.	- XXI				VV	10	الحم	CO	17.	
				00							44		400				144					110	U		$\mathcal{M}$	>

p00 Each number in the Part Number List refers to the page number printed at the bottom of the page.

L×W (mm)								3.2	×1.6								r				3.2	×2.5				
T max. (mm)		M		1	.8	I.V	-7	TI	Ň			1	.9	100	7.	. 01	V.T	1.	.5		1.8		2	.0		2.2
Rated Voltage (Vdc)	16	-	10	M.	6.3	V.C	O.	4	100	25	16	6	.3	4.0	4	CO	1000	630	250	200	100	1000	630	250	200	25
Cap. / TC Code	X5R, B	X7R	X5R, B	Χ7Δ	X6S	X5R, B	X7U	X6S	X7R	X6S	X7S	X6T	X5R	X7U	X6T	X5R	X7R	X7R	X7R	X7R	X7R	X7R	X7R	X7R	X7R	X71
100pF					st 10	10 2.		M	IA				1	$\propto 1.1$	00		ON	F. F.	-1							
150pF			V	W		00			T	N		1	AM		100	X.		T.	111							
220pF	<b>~</b> 1				W.	Loc		OD	1.	«XI				(W		N.	CO	N. P.								
330pF	NA				-138	100	) y .	a0	M.	. "				- XIX	1.11	W >	. ((	M	). Y	«1						
470pF	W			W		46			- 1	TV			V			00				N						
680pF	_ 1				W	11.7		7 C	Dis		N		<	W	111-	. 00	V.C	Ob	- 11	W						
820pF	JA					W.	$\bar{l}_{00}$		101	7:7					W	JW		cO	M.							
1000pF	T			1	MM			Z.		M.	IN					KI 1	101		$M_{\ell}$	IN						
1500pF	17.				«XI	NN		No.	Ca	MA	σV			1			00	Į.C	Dr.	T	N					
2200pF	M.		7		~ ~	× 11	N.7	30 -	7 (1)	$O_{N}$	• *	- <b>«</b> T			«TXX	W.	Too	<b>&lt;</b> 7 (	Ob	7.	n X					
3300pF			N		V			100	Y		A.T	W				-31	101	) 7.	α0	M.	. "					
4700pF	$O_{Z^{ij}}$		N.		-	WW	111.		V.	ZO,		W			W		46	You	CV	- 1	TV					
6800pF	-01						πV	70	o - ≤7	сC	Mr.		.T			τŃ	p85	) ~	ı C'	$\mathcal{O}_{\mathbb{Z}^{3}}$		N				
10000pF			IN			W		xī 1	90 x		Mo	TV			N		p85	$r_{00}$	). °	101	1.7					
15000pF	.Cr			N		V	W		.00	V.C	U -	T	N		4	MM		10	M.		AL T	p85				
22000pF	70		L					W.	Too	-<7 (	$\sqrt{O}$	170 -	~XN			<b>*</b> XI	NV	p85		$C_O$	MAR	p85	J			
33000pF	1.0		$\Lambda J$				M.	-101	110	97.	40	M.					- 11	N.1	00 >	. 0	ON	· 7.	p85			
47000pF	N.			TV			W		1	007	.00		T	N		V	111	` ~~1 '	100	Y.		1.T	p85			
68000pF			$D_{IM}$		K.T			τN	11.7		JC	$O_{D_{i}}$		(N			ωV	M.	p85	p85	007					
0.10µF	00,2							N	τXN.	70 <i>u</i>	× .	-01	$V_{1,T}$	N N			N 1	NI.	'Jn	0 -	сC	W.		p85	p85	
0.15µF	.00			ĸ 1	W			W	N Y	- 10	01.		~A.				W	11	p85	p85		M		N		
0.22µF	Too		CO	Mr.	- 1			<b>₹</b> X	WV	1.20		CC	DIAM.		N		1	W	MAN	. 00	V.C	OF		p85	p85	
0.33µF	J 10			M	Y.V				- 1	$\sqrt{1}$	an,	- 0	ON	7.				-141	W.	Inc	-T (	0		-41		
0.47µF	1				T	N		1	111	- 1	100	X.C		$\Lambda$ $\Lambda$			-	W.	1	10	0x.			T. A.		
0.68µF	$M^{\circ}$		V C	OD		XX				111		N.	CO		TV			W			001	CV		TY	N	
1.0µF	et XV				M.				Α,	CXTV	1.10	W -	· c(	DDV		<b>K</b> T			TXV	$N_{7}$	p85	st C			«XI	
2.2µF			07		- 1	IN			p85	44	-s1 1	00)							1	TXX	100	7.		1.7		
4.7µF	W		~~	7.C	Dis		N		<	VV	Mas	. 00	V.C	Ob.	- 1	W			W	1	- 10	OY.		- 6	TW	
10µF			TOO.		0	7.7					TW	In	_7	cO	A)	- 1			- 1	W	1.10			) IA		р8
22µF	p85 p85	p85	100	p85		MI	M			p84	p85	J 10	01	-41	$M_{\ell}$	IN			1/1		$\infty$ 3	00 ;		ON	1.7	
47µF		NV	p85 p85	p85	p85	p85 p85	p85	p85		11	W	100	007		72	T	N		1	VV	V '	100			17	
100µF	7		V.Y	90	7 (1	DIV	o 3-	<b>≪</b> 1			c TXN	p85	p85	p85	p85	p85	TX.				VW	. 10		CO	N P	4
220µF	V		WW	00	V			N			A A	- «N	10	) » °	-0	p85					~1	V.1		7.CO	M	

p00 Each number in the Part Number List refers to the page number printed at the bottom of the page.

L×W (mm)			XXIX	N.M	10 -	100	OMI	٠ ٢	3.2×2.	.5		XIXN.	W.)	100	<1 C	ON	7.	XXI			4.5×3.2	2			5.7	×5.0
T max. (mm)		W	44	_ 1 1	100	1.0	10.	LT	2.7			14 4	- TXXI	100	) r.	a01	$M_{i,j}$		1.5			2	.0		2	.0
Rated Voltage (Vdc)	100	80	63	5	50	₹ 3	35	2	25		16	W	1	0	6	5.3	4	630	250	200	1000	630	250	200	1000	630
Cap. / TC Code	X7R	X7R	X7R	X7R	X5R, B	X7R	X5R, B	X7R	X5R, B	X7R	X6S	X5R, B	X7R	X5R, B	Χ7Δ	X5R, B	X7U	X7R	X7R	X7R	X7R	X7R	X7R	X7R	X7R	X71
100pF			AN		x 1	101		M	Y.V			N.		M.1	00			1.1	-1							
150pF			V	111		00	Į.C	72	T	N.		1			100	13.		NJ	W							
220pF	<b>~</b> 1			e T	W.	L.V.	<1 C	Oz	3.0	αN.			KXIX	V		N.	$C_{O}$	Mar								
330pF	NA			W.,	-138	101	) 7.	a0	M.	1			```	- XIX	1.77	V >	. ((	DM	7	«T						
470pF	W			W		- 40	OX		- 1	TV			W		-s11	00			T							
680pF	_ 1	1		- 1	W	11.7		7 C	$D_{Z_1}$		N		<	VV	/N -	. 00	V.C	Or	- 17	W						
820pF	T.A					W.	$r_{0\alpha}$		0	17.7					σŃ	7707	7	CO	M							
1000pF	T	N		4	W		10	27.		M.	IN			411		st 10	01		M	$\mathcal{I}_{N}$						
1500pF	N.T	-XXI			<b>*X</b>	W		W	CC	NA.				1	W		00	Ţ.C	O.		N					
2200pF	M.				1	- 1	N.1	20 >	- 0	OM	• >	-<1			- TXX	W.	100	<b>~7</b> (	OJ	7.	- X X I					
3300pF			N		V		-41	00	V		1.7	W				-41	10	7.	~	M.						
4700pF	$O_{M_1}$		(N			NV	M.		N.	$\mathbb{C}_{\Omega_7}$		W			W		4 (	M	CV	- 16	TV					
6800pF	-01	$\Lambda_{r,r}$				1	χV	J.A		CC	$M_{I}$		1			W	11.7	0~	7 C	$\mathcal{D}_{M_1}$		N				
10000pF		AA.	LIN			W	4.	st 1	907		W	T	N		V		XXI.	100	3.0	101	1:7	4				
15000pF	CC	) [		N		1	W		.00	v.C	U -	- 1	N		-	NN		400	1		. 1	W				
22000pF	- 0	ON	1.7	=1			-18	W	700	=7 (	0.0	17.	-481			-31	NV	.10		$C_{C}$	Mr.	-03	I			
33000pF	A.C		$\Lambda \mathfrak{I}$	44			MA		10	0.	40	M						N.1	20 >		p85	. 7.				
47000pF	N.	CA		TV			W	NA		003	.0		TI	N		V	111	-7	00	V.V	p85	TI	N			
68000pF		· c(	$\overline{M}$		<b>k</b> 1			τŃ	W.		J C	$O_{N}$		c N				p85		V.	CO		ďΝ		p85	
0.10µF	00)	-		T					-XXI	100	7.	-01	$V_{1,j}$	77			14	TV.	.10	U -	c(C	p85		7	p85	
0.15µF	. 00	V.C	O.P.	- 11	W			W		40	OY.	$\sim$					W	44.	p85	p85			T	N		р8
0.22µF	Inc	=7	CO	Mr.	-41			- 1	W	N.L		C	DIAM		Ń		<b>*</b> 1	IN	AA+	00	V.C	OM	p85	p85		рε
0.33µF	o 10	02		$\Lambda \sigma$	1.					ω1.3	00		$\overline{\Omega}$	7.37					τŃ	Ing		0	p85	p85		
0.47µF	4.	003			T	N		1	AM		100	17.		13	W			MA		110	21.		p85	p85		
0.68µF	W.		<b>47</b> (	0)		- XI				VV		V	$\mathbb{C}O$					W	MA		M	CA	7	T	V	
1.0µF	TXX	101	3 3.		M.	- 1			1	×11	1.19	10 -	. ~(	M	1	<1			TXN	1.7	UV	. 7 C	ON	1.0	« <b>%</b> T	
2.2µF	p85	- 40	ON	G.	- 5	W			V		_ 1	00				N			1	- 1	100	3.0	-01	$\Lambda$ . $\Lambda$		
4.7µF	W	p85		p85	$D_{N_T}$		N			W	11.	1	V.C	OF	- 11	W			W		40	NY.	CV		TV	
10µF		√√ .	p85	p85	p85 p85	p85	p85 p85				TN	70,		$\sim$	Z/Z-				- 1		1.34		C	77.7	- 15	ST.
22µF	NA		100	N.		A 1	111	p85	p85 p85	p85		11	01		$\Lambda \sigma_{c}$	T.A.			1/1		$\propto 1.1$	00		OV	[.]	
47µF	-31	VV	-	N	CO	14.				1	p85	p85 p85	p85	p85 p85	p85		N		<	M		400	A'c		TI	Ą
100µF	M	- 11	N.1	)U >		M		«1			75.5	W.	, O	p85		p85 p85	p85			- XTX	W	To	~1	CO	Nr.	-
220µF	V	AA	-1	00	V. V		$\Omega$	W			1		10	130		M.	AA				-15	111	O.	A.	M	
	_	N W	14.			20,		W	-	•	N.	MA		You	Ca	1					-	- 1	007			ΛD

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X7U X6S X6T X5R

	L×W (mm)	5.7	×5.0
	T max. (mm)	2	.0
R	ated Voltage (Vdc)	250	200
	Cap. / TC Code	X7R	X7R
	100pF		
	150pF		
1	220pF	<b>*</b> I	
-	330pF	M	
1	470pF	W	
,	680pF	~37	1
N	820pF	JA	
. (	1000pF	T	N
). )	1500pF	17.	aXN.
	2200pF	M.	
	3300pF		
1	4700pF	Oh.	
	6800pF	-01	17.7
	10000pF		A
Í	15000pF	.Cr	
_1	22000pF	-7 (	ON
l	33000pF	1.0	
d	47000pF	N.	CV
Ì	68000pF		-CS
	0.10µF	00.3	
	0.15µF	400	1.1
	0.22µF	To	~<1
	0.33µF	p85	p86
	0.47µF	p86	p86
	0.68µF	p86	p86
	1.0µF	p86	p86
	2.2µF	A .	-1 <b>1</b> (
	4.7μF	W	N.J.
	10µF		W.
	22µF	NA	
	47µF	11/1	MM
	100μF		× 11
	220µF	1	
		-	NV



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wy.COM.TW

M.TW

#### ■ GJM Series Temperature Compensating Type

LxW (mm) 0.4x0.2 0.6x0.3 1.0x0.5  T max. (mm) 0.2≥ 0.33 0.55  Rated Voltage (Vdc) 25 25 50  Cap. / TC Code COG CA COG CA COG CA 0.10pF		p00 ← Part Num	ber Lis	st .	JIS:	CK	CJ	СН	EIA	COG	
Rated Voltage (Vdc)       25       25       50         Cap. / TC Code       COG       C∆       COG       C∆       COG       C∆         0.10pF       Image: contract of the cont		L×W (mm)	0.4>	<0.2	0.6	×0.3	1.0:	×0.5	XXI		
Cap. / TC Code   COG   CA   COG   CA   COG   CA    0.10pF		T max. (mm)	0.2	22	0	.33	0.	55	1.11		
0.10pF		Rated Voltage (Vdc)	2	5		25	5	50	TW		
0.20pF p88 p91 p94 p97 p101 p104 1.0pF p88 p91 p95 p98 p101 p105 2.0pF p88 p91 p95 p98 p102 p105 3.0pF p88 p91 p95 p98 p102 p105 4.0pF p89 p92 p95 p98 p102 p105 5.0pF p89 p92 p95 p99 p102 p106 6.0pF p89 p92 p96 p99 p102 p106 7.0pF p90 p93 p96 p99 p103 p106 8.0pF p90 p93 p96 p99 p103 p106 8.0pF p90 p93 p96 p100 p103 p107 9.0pF p90 p94 p97 p100 p104 p107 11pF p91 p94 p97 p101 p104 p107 12pF p91 p94 p97 p101 p104 p108 13pF p91 p94 p97 p101 p104 p108 15pF p91 p94 p97 p101 p104 p108 15pF p91 p94 p97 p101 p104 p108 20pF p91 p94 p97 p101 p104 p108 22pF p91 p94 p97 p101 p104 p108 22pF p91 p94 p97 p101 p104 p108 22pF p91 p94 p97 p101 p104 p108 22pF p91 p94 p97 p101 p104 p108 22pF p91 p94 p97 p101 p104 p108 22pF p91 p94 p97 p101 p104 p108 23pF p97 p101 p104 p108 33pF p104 p108 33pF	. Vice	Cap. / TC Code	COG	СΔ	COG	СΔ	COG	СΔ	TV		
0.20pF p88 p91 p94 p97 p101 p104 1.0pF p88 p91 p94 p98 p101 p105 2.0pF p88 p91 p95 p98 p101 p105 3.0pF p88 p91 p95 p98 p102 p105 4.0pF p89 p92 p95 p99 p102 p106 6.0pF p89 p92 p96 p99 p102 p106 6.0pF p89 p92 p96 p99 p102 p106 6.0pF p90 p93 p96 p99 p102 p106 8.0pF p90 p93 p96 p90 p100 p103 p107 9.0pF p90 p94 p97 p100 p104 p107 11pF p91 p94 p97 p101 p104 p108 13pF p91 p94 p97 p101 p104 p108 15pF p91 p94 p97 p101 p104 p108 16pF p91 p94 p97 p101 p104 p108 16pF p91 p94 p97 p101 p104 p108 22pF p91 p94 p97 p101 p104 p108 22pF p91 p94 p97 p101 p104 p108 22pF p91 p94 p97 p101 p104 p108 22pF p91 p94 p97 p101 p104 p108 22pF p91 p94 p97 p101 p104 p108 22pF p91 p94 p97 p101 p104 p108 22pF p91 p94 p97 p101 p104 p108 22pF p91 p94 p97 p101 p104 p108 22pF p91 p94 p97 p101 p104 p108 22pF p91 p94 p97 p101 p104 p108 23pF p97 p101 p104 p108 33pF p97 p101 p104 p108 33pF p97 p101 p104 p108 33pF p97 p101 p104 p108	N.100	0.10pF			τV	1.7.	p101	p104	Mr. z	The inc	dia
1.0pF p88 p91 p94 p98 p101 p105 2.0pF p88 p91 p95 p98 p101 p105 3.0pF p88 p91 p95 p98 p102 p105 4.0pF p89 p92 p95 p99 p102 p106 5.0pF p89 p92 p95 p99 p102 p106 6.0pF p89 p92 p96 p99 p102 p106 7.0pF p90 p93 p96 p99 p103 p106 8.0pF p90 p93 p96 p90 p100 p103 p107 9.0pF p90 p94 p97 p100 p104 p107 11pF p91 p94 p97 p101 p104 p107 11pF p91 p94 p97 p101 p104 p108 13pF p91 p94 p97 p101 p104 p108 13pF p91 p94 p97 p101 p104 p108 15pF p91 p94 p97 p101 p104 p108 15pF p91 p94 p97 p101 p104 p108 15pF p91 p94 p97 p101 p104 p108 20pF p91 p94 p97 p101 p104 p108 22pF p91 p94 p97 p101 p104 p108 22pF p91 p94 p97 p101 p104 p108 22pF p91 p94 p97 p101 p104 p108 22pF p91 p94 p97 p101 p104 p108 22pF p91 p94 p97 p101 p104 p108 22pF p91 p94 p97 p101 p104 p108 23pF p97 p101 p104 p108 33pF p97 p101 p104 p108	W.100 Y	0.20pF	p88	p91	p94	p97	p101	p104	M.		
3.0pF p88 p91 p95 p98 p102 p105 4.0pF p89 p92 p95 p98 p102 p106 5.0pF p89 p92 p95 p99 p102 p106 6.0pF p89 p92 p96 p99 p102 p106 7.0pF p90 p93 p96 p99 p103 p106 8.0pF p90 p93 p96 p100 p103 p107 9.0pF p90 p94 p97 p100 p104 p107 10pF p91 p94 p97 p101 p104 p107 11pF p91 p94 p97 p101 p104 p108 13pF p91 p94 p97 p101 p104 p108 15pF p91 p94 p97 p101 p104 p108 15pF p91 p94 p97 p101 p104 p108 16pF p91 p94 p97 p101 p104 p108 18pF p91 p94 p97 p101 p104 p108 20pF p91 p94 p97 p101 p104 p108 22pF p91 p94 p97 p101 p104 p108 22pF p91 p94 p97 p101 p104 p108 22pF p91 p94 p97 p101 p104 p108 23pF p97 p101 p104 p108 33pF p97 p101 p104 p108	100	1.0pF	p88	p91	p94	p98	p101	p105			
4.0pF p89 p92 p95 p98 p102 p105 5.0pF p89 p92 p95 p99 p102 p106 6.0pF p89 p92 p96 p99 p102 p106 7.0pF p90 p93 p96 p99 p103 p106 8.0pF p90 p93 p96 p100 p103 p107 9.0pF p90 p94 p97 p100 p104 p107 110pF p91 p94 p97 p101 p104 p107 11pF p91 p94 p97 p101 p104 p108 13pF p91 p94 p97 p101 p104 p108 15pF p91 p94 p97 p101 p104 p108 16pF p91 p94 p97 p101 p104 p108 16pF p91 p94 p97 p101 p104 p108 20pF p91 p94 p97 p101 p104 p108 22pF p91 p94 p97 p101 p104 p108 22pF p91 p94 p97 p101 p104 p108 23pF p97 p101 p104 p108 33pF p97 p101 p104 p108	M.Y.	2.0pF	p88	p91	p95	p98	p101	p105	Ori	details	
5.0pF p89 p92 p95 p99 p102 p106 6.0pF p89 p92 p96 p99 p102 p106 7.0pF p90 p93 p96 p99 p103 p106 8.0pF p90 p93 p96 p100 p103 p107 9.0pF p90 p94 p97 p100 p104 p107 10pF p91 p94 p97 p101 p104 p107 11pF p91 p94 p97 p101 p104 p108 13pF p91 p94 p97 p101 p104 p108 15pF p91 p94 p97 p101 p104 p108 15pF p91 p94 p97 p101 p104 p108 15pF p91 p94 p97 p101 p104 p108 15pF p91 p94 p97 p101 p104 p108 20pF p91 p94 p97 p101 p104 p108 22pF p91 p94 p97 p101 p104 p108 22pF p91 p94 p97 p101 p104 p108 22pF p91 p94 p97 p101 p104 p108 22pF p91 p94 p97 p101 p104 p108 22pF p91 p94 p97 p101 p104 p108 23pF p97 p101 p104 p108 33pF p97 p101 p104 p108	WW.IU	3.0pF	p88	p91	p95	p98	p102	p105	COI		
6.0pF p89 p92 p96 p99 p102 p106 7.0pF p90 p93 p96 p99 p103 p106 8.0pF p90 p93 p96 p100 p103 p107 9.0pF p90 p94 p97 p100 p104 p107 10pF p91 p94 p97 p101 p104 p107 11pF p91 p94 p97 p101 p104 p107 12pF p91 p94 p97 p101 p104 p108 13pF p91 p94 p97 p101 p104 p108 15pF p91 p94 p97 p101 p104 p108 16pF p91 p94 p97 p101 p104 p108 18pF p91 p94 p97 p101 p104 p108 20pF p91 p94 p97 p101 p104 p108 22pF p91 p94 p97 p101 p104 p108 22pF p91 p94 p97 p101 p104 p108 22pF p91 p94 p97 p101 p104 p108 22pF p91 p94 p97 p101 p104 p108 22pF p91 p94 p97 p101 p104 p108 23pF p97 p101 p104 p108 33pF p97 p101 p104 p108	V V	4.0pF	p89	p92	p95	p98	p102	p105	c0		
7.0pF p90 p93 p96 p99 p103 p106 8.0pF p90 p93 p96 p100 p103 p107 9.0pF p90 p94 p97 p100 p104 p107 10pF p91 p94 p97 p101 p104 p107 11pF p91 p94 p97 p101 p104 p108 13pF p91 p94 p97 p101 p104 p108 15pF p91 p94 p97 p101 p104 p108 15pF p91 p94 p97 p101 p104 p108 16pF p91 p94 p97 p101 p104 p108 18pF p91 p94 p97 p101 p104 p108 20pF p91 p94 p97 p101 p104 p108 22pF p91 p94 p97 p101 p104 p108 22pF p91 p94 p97 p101 p104 p108 22pF p91 p94 p97 p101 p104 p108 22pF p91 p94 p97 p101 p104 p108 24pF p97 p101 p104 p108 23pF p97 p101 p104 p108 33pF p97 p101 p104 p108	MM	5.0pF	p89	p92	p95	p99	p102	p106			
8.0pF p90 p93 p96 p100 p103 p107 9.0pF p90 p94 p97 p100 p104 p107 10pF p91 p94 p97 p101 p104 p107 11pF p91 p94 p97 p101 p104 p107 12pF p91 p94 p97 p101 p104 p108 13pF p91 p94 p97 p101 p104 p108 15pF p91 p94 p97 p101 p104 p108 16pF p91 p94 p97 p101 p104 p108 18pF p91 p94 p97 p101 p104 p108 20pF p91 p94 p97 p101 p104 p108 22pF p91 p94 p97 p101 p104 p108 22pF p91 p94 p97 p101 p104 p108 22pF p91 p94 p97 p101 p104 p108 22pF p91 p94 p97 p101 p104 p108 23pF p97 p101 p104 p108 33pF p97 p101 p104 p108	MMM	6.0pF	p89	p92	p96	p99	p102	p106	N.C.		
9.0pF p90 p94 p97 p100 p104 p107 10pF p91 p94 p97 p101 p104 p107 11pF p91 p94 p97 p101 p104 p107 12pF p91 p94 p97 p101 p104 p108 13pF p91 p94 p97 p101 p104 p108 15pF p91 p94 p97 p101 p104 p108 16pF p91 p94 p97 p101 p104 p108 18pF p91 p94 p97 p101 p104 p108 20pF p91 p94 p97 p101 p104 p108 22pF p91 p94 p97 p101 p104 p108 22pF p91 p94 p97 p101 p104 p108 22pF p91 p94 p97 p101 p104 p108 22pF p91 p94 p97 p101 p104 p108 22pF p91 p94 p97 p101 p104 p108 23pF p97 p101 p104 p108 33pF p97 p101 p104 p108		7.0pF	p90	p93	p96	p99	p103	p106	N.C		
10pF p91 p94 p97 p101 p104 p107  11pF p91 p94 p97 p101 p104 p107  12pF p91 p94 p97 p101 p104 p108  13pF p91 p94 p97 p101 p104 p108  15pF p91 p94 p97 p101 p104 p108  16pF p91 p94 p97 p101 p104 p108  18pF p91 p94 p97 p101 p104 p108  20pF p91 p94 p97 p101 p104 p108  22pF p91 p94 p97 p101 p104 p108  22pF p91 p94 p97 p101 p104 p108  22pF p91 p94 p97 p101 p104 p108  22pF p91 p94 p97 p101 p104 p108  23pF p97 p101 p104 p108  33pF p97 p101 p104 p108  34pF p97 p101 p104 p108  34pF p97 p101 p104 p108	11	8.0pF	p90	p93	p96	p100	p103	p107	JU = =1 (		
11pF p91 p94 p97 p101 p104 p107  12pF p91 p94 p97 p101 p104 p108  13pF p91 p94 p97 p101 p104 p108  15pF p91 p94 p97 p101 p104 p108  16pF p91 p94 p97 p101 p104 p108  18pF p91 p94 p97 p101 p104 p108  20pF p91 p94 p97 p101 p104 p108  22pF p91 p94 p97 p101 p104 p108  22pF p91 p94 p97 p101 p104 p108  22pF p91 p94 p97 p101 p104 p108  22pF p91 p94 p97 p101 p104 p108  23pF p97 p101 p104 p108  33pF p97 p101 p104 p108  34pF p104 p108	11/1/	9.0pF	p90	p94	p97	p100	p104	p107	00x		
12pF p91 p94 p97 p101 p104 p108 13pF p91 p94 p97 p101 p104 p108 15pF p91 p94 p97 p101 p104 p108 16pF p91 p94 p97 p101 p104 p108 18pF p91 p94 p97 p101 p104 p108 20pF p91 p94 p97 p101 p104 p108 22pF p91 p94 p97 p101 p104 p108 22pF p91 p94 p97 p101 p104 p108 22pF p91 p94 p97 p101 p104 p108 24pF p97 p101 p104 p108 27pF p97 p101 p104 p108 33pF p97 p101 p104 p108 33pF p97 p101 p104 p108 33pF p97 p101 p104 p108 33pF p97 p101 p104 p108 33pF p97 p101 p104 p108 33pF p97 p101 p104 p108 33pF p97 p101 p104 p108	WV	10pF	p91	p94	p97	p101	p104	p107	1007		
13pF p91 p94 p97 p101 p104 p108  15pF p91 p94 p97 p101 p104 p108  16pF p91 p94 p97 p101 p104 p108  18pF p91 p94 p97 p101 p104 p108  20pF p91 p94 p97 p101 p104 p108  22pF p91 p94 p97 p101 p104 p108  22pF p91 p94 p97 p101 p104 p108  22pF p91 p94 p97 p101 p104 p108  24pF p97 p101 p104 p108  27pF p97 p101 p104 p108  33pF p97 p101 p104 p108  33pF p97 p101 p104 p108  33pF p97 p101 p104 p108  33pF p97 p101 p104 p108  33pF p97 p101 p104 p108  33pF p97 p101 p104 p108  33pF p104 p108  33pF p104 p108	- 1	11pF	p91	p94	p97	p101	p104	p107	.10		
15pF p91 p94 p97 p101 p104 p108  16pF p91 p94 p97 p101 p104 p108  18pF p91 p94 p97 p101 p104 p108  20pF p91 p94 p97 p101 p104 p108  22pF p91 p94 p97 p101 p104 p108  22pF p91 p94 p97 p101 p104 p108  24pF p97 p101 p104 p108  30pF p97 p101 p104 p108  33pF p97 p101 p104 p108  33pF p97 p101 p104 p108  33pF p97 p101 p104 p108  33pF p97 p101 p104 p108  33pF p97 p101 p104 p108  34pF p97 p101 p104 p108  34pF p97 p101 p104 p108  34pF p97 p101 p104 p108  34pF p97 p101 p104 p108  34pF p104 p108	N	12pF	p91	p94	p97	p101	p104	p108	N.100		
16pF p91 p94 p97 p101 p104 p108  18pF p91 p94 p97 p101 p104 p108  20pF p91 p94 p97 p101 p104 p108  22pF p91 p94 p97 p101 p104 p108  22pF p91 p94 p97 p101 p104 p108  24pF p97 p101 p104 p108  27pF p97 p101 p104 p108  30pF p97 p101 p104 p108  33pF p97 p101 p104 p108  33pF p97 p101 p104 p108  33pF p97 p101 p104 p108  33pF p97 p101 p104 p108  34pF p97 p101 p104 p108  35pF p97 p101 p104 p108  36pF p104 p108  31pF p104 p108		13pF	p91	p94	p97	p101	p104	p108	N 10		
18pF p91 p94 p97 p101 p104 p108 20pF p91 p94 p97 p101 p104 p108 22pF p91 p94 p97 p101 p104 p108 22pF p91 p94 p97 p101 p104 p108 24pF p97 p101 p104 p108 27pF p97 p101 p104 p108 30pF p97 p101 p104 p108 33pF p97 p101 p104 p108 33pF p97 p101 p104 p108 33pF p97 p101 p104 p108 33pF p97 p101 p104 p108 33pF p104 p108 33pF p104 p108		15pF	p91	p94	p97	p101	p104	p108	1		
20pF p91 p94 p97 p101 p104 p108 22pF p91 p94 p97 p101 p104 p108 24pF p97 p101 p104 p108 27pF p97 p101 p104 p108 30pF p97 p101 p104 p108 33pF p97 p101 p104 p108 33pF p97 p101 p104 p108 33pF p97 p101 p104 p108 33pF p97 p101 p104 p108 33pF p104 p108 33pF p104 p108		16pF	p91	p94	p97	p101	p104	p108	MM.		
22pF p91 p94 p97 p101 p104 p108 24pF p97 p101 p104 p108 27pF p97 p101 p104 p108 30pF p97 p101 p104 p108 33pF p97 p101 p104 p108 33pF p97 p101 p104 p108 33pF p97 p101 p104 p108 33pF p104 p108 33pF p104 p108 33pF p104 p108		18pF	p91	p94	p97	p101	p104	p108	WW		
24pF		20pF	p91	p94	p97	p101	p104	p108			
27pF		22pF	p91	p94	p97	p101	p104	p108	MM.		
30pF p97 p101 p104 p108 33pF p97 p101 p104 p108 33pF p97 p101 p104 p108 36pF p104 p108 39pF p104 p108 43pF p104 p108		24pF	To	<1.C	p97	p101	p104	p108	WW		
33pF p97 p101 p104 p108 36pF p104 p108 39pF p104 p108 43pF p104 p108		27pF	1.10	) 1.	p97	p101	p104	p108			
36pF p104 p108 39pF p104 p108 43pF p104 p108		30pF	×1 10	0.7.	p97	p101	p104	p108	1111		
39pF p104 p108 43pF p104 p108		33pF	11.	003	p97	p101	p104	p108	W		
43pF p104 p108		36pF	W.	100	JC	$O_{D_{I}}$	p104	p108			
		39pF	N.	100	1	ON	p104	p108			
47pF p104 p108		43pF	11,	s 10	01.		p104	p108			
		47pF		N.	005	CO	p104	p108			

WWW.100Y.CC



The indication for every 0.1 pF has been omitted for less than 10 pF. Refer to the Part Number List for WWW.100Y.COM.TW details. WWW.100Y.COM.TW

NWW.1008

NWW.100Y.COM.T

Capacitance Table | p00 | Each number in the Part Number List refers to the page number printed at the bottom of the page.

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L×W (mm)	0	.38×0.3	38	) ·	CO	Mr.	0.5	×0.5		WIX	M.r.		CC	MAR	0.8	×0.8			
T max. (mm)		0.35	TXN.	1003	· ·	Mo	0	.4		44	W.	100	-1 (1	OM	0	.6			
Rated Voltage (Vdc)		10	4	100	2	.5	TV	10		6	.3	100	2	25	(T)	10		6	3.3
Cap. / TC Code	X7R	R	В	X7R	X7R	В	X7R	R	В	X5R	В	X7R	X7R	В	X7R	R	В	X5R	
100pF			TVV	p110	~ \$1	CO	1170	-XXI				N.F.		CO	N.F.	W			Ī
150pF				p110	00 r		M.	7 1					00.	7 C(	DM.				-
220pF			WV	p110	100	V.	100	TN			MA		100		Mo				Ī
330pF	N		W	p110		V.C	$O_{\mathbb{Z}_2}$		N		W		- 10	DY.C		TI	N		-
470pF	-31			p110	1.10	~ 1	$CO_{\tilde{I}}$		TAN.		<b>41</b>		1.20	No.	CO		W		Ī
680pF	M		V	p110	W.1	90 r		M					W.1	00 -	- ((	W.			-
1000pF	p110	p110	p110	p110	-41	100		M	$T_{M}$				- 1	100		$M_{\odot}$	1.//		-
1500pF	p110	p110	p110	W	p110	p110	Y.C	Obi	T	N		p110	1	100	V.C		TI		-
1800pF	p110	p110	p110		WV	1.70	~J (	207	1	αŃ		<b>*</b> **	WV		N.	$\mathbb{C}_{O_{\bar{r}}}$	- 10	W	1
2200pF	$M_{i,j}$			1	p110	p110	Mr.	60	$M_{i,j}$			p110		$\sqrt{1}$	30 -	c.C	M.,	× ×1	
3300pF	~ 1	TW		1	p110	p110	007		$\Lambda \sigma_c$	IM		p110	Mari	-XXI	100		Mr	1.44	1
4700pF	Diar	TV			p110	p110	.00	V.C	Dri	TV	1	p110	W	N 77	100	Y.C	- 3	TV	
6800pF	OD		<b>*</b> 1		-41	WW	p110	p110	p110		N	p110	<b>41</b>	WW		N.	COL		1
10000pF	p110	p110	MA			-41	p110	p110	p110	$M_{r,r}$	-1		p110	p110	N.77	27	CO	M.	-
15000pF		315	W				p110	p110	p110	M			p110	p110	~XI 1	003		M	-
22000pF	I.C	DAY	TV			WV	p110	p110	p110	D1-1	W		p110	p110	1 1	100	Y.C.		
33000pF	<b>~7</b> (	$O_{N_{i}}$		ĸī		- 1	NW	70	V (	OZ				₹V	p110	p110	p110	Oh	-
47000pF	27.	~O1	1.1	1		N.	- XIX	V.10	N P	cOl	17.7				p110	p110	p110	CO	
68000pF	101		~1.T	W		V		-x11	001		M.T				p110	p110	p110	(	1
0.10µF	-00	CC		TW			NW		.00	p110	p110				p110	p110	p110	1.0	
0.47µF	Inc	-10	$O_{N_I}$		£1		-414	W		( )</td <td><math>O_{Z_{1}}</math></td> <td></td> <td>N.</td> <td></td> <td>-31</td> <td>AM</td> <td>-</td> <td>p110</td> <td>I</td>	$O_{Z_{1}}$		N.		-31	AM	-	p110	I

Capacitance Table Part Number in the Part Number List refers to the page number printed at the bottom of the page.

L×W	(mm)		W	$N^{\cdot r}$	0 -	$_{1}$ C $^{\circ}$	0.6×0.0	3		4	WW	M·r.	005	CU	) [ ]	W		1.0×0.	5				
T max.	(mm)		N .	TW.	700 z	· ·	0.33	TAL	· T		V V	W.	100.	-7 C!	$O_{\bar{M}^{\prime}}$	, L '	s I	0.55					
Rated Voltage	(Vdc)		25	N Y	100	16		TV	10		6	.3	100	50	Mor	I'I'N	25			16			10
Cap. / TC	Code	X7R	R	В	X7R	R	В	X7R	R	В	X5R	В	X7R	R	В	X7R	R	В	X7R	R	В	X5R	
10	0pF /	p112	p112	p112	11.77		CO	N.V.	W		<	W	W.r.	M	CO		W						1
12	0pF /	p112	p112	p112	W.1		, c(	$M_{\rm T}$					W.	00	7 C	27/7-	× X						
	32	p112	p112	p112		100		Mo	21				TV.	<b>100</b>		OM							
- 1		p112	p112	p112	MAI	-10	DX'		IT	N		W	111	- 10	21.		AT	N					
			_	p112	W	N.32	N	$C_{O}$		W		V	p112		p113	Co.	- 6 1	W					
-7 ( )	1.0	p112		p112		M.7	JV	C	Mr.				p112		p113	CC	Mr.						
	100		p112		M.	KIN A	700.		$M_{\rm O}$		r T		p112	1	p113	~7 C	$O_{N_{V}}$						
7 (111)	-0.			p112	W		100	X.			N		p112	p113	p113	7.	~ ~ ~						
- 1		7.0	-			MN	- 40	o¥.	COF		W		p112		p113	07.		×13					
.7		30	- 75	-		N	1/1		CO	Mr.	W		p112	4	p113	005	CO	Mar	TV				
CK LV				p112			W.	00	7 (1	$\Delta M_{\odot}$		T	p112		p113	100	et C	$\mathcal{I}_{M}$	-55				
- 1111		-10.		p112	-			100	X		TV		p112		p113	700				1			
<u> </u>	S. 1	_	- 110	p112		W		- 10	0 Y.	COP	T	N	p112		p113	x1 10	0.X.,		T.N				
17 VV		p112	.37	p112		<	W	1.7.		CO	Nr.	W	p112	_	p113	N.	003	CO		W			
-717		p112	p112	p112	110	-110	-110	W.	00 >	7 C.	$p_{M}$		p112		p113		UV	v C	DV1-				
1	0pF			TW	p112		p112	-750	100				p112		p113		100	<b>3</b> - °	MO	.7.	- T		
	0pF	X.C	OF	T	p112 p112		p112		110	07.		1.1	p112		p113	MM ,	110	27.		1.1			
-788	0pF 0pF		$G_{O}$	Mys.	p112		p112 p112	W	N.D.	V	CO.		p112 p112	<u> </u>	p113 p113			001	CO	- A	W		
	0pF	)U ×	- 60	$\mathcal{M}$	μπ	priz	priz	p112	p112	p112	r CC	$\mathcal{W}_{I}$ .	p112		p113		$\langle V \rangle$	00	Z.CS	11/17-	TW		
<del> </del>	0pF	00		Mo				4.4	- 3	2 7 777	- 0	$\Delta \Delta$	p112	-	p113		UV	100	~7 C	$OV_V$		N.	
	0pF	100	X.C					p112		p112			PITE	pino	Pilo	p113	p113	p113			1.7		
- 11	0pF			COR		W		p112	p112	p112	07.	CO	77	W		p113	p113	p113	07.		vv.2		
	0pF	N.2	) V	CO	M.	-XVI		p112	- S. M.	p112		CO	Mr	W		p113	p113	p113	007	,C <sup>C</sup>		TW	
1000		W.	100		M		1		p112		100	-7 C	OW		1	p113	p113	p113	100	J C	$O_{N_T}$		
1200	A. A.	~ (1)	100							-1	100		MO:	1.1	N.	p113	p113	p113	.700		402	7.3	
1500		1	- 10	<u> </u>		$T_{\Lambda}$	N		W		×1 10	01.		$\Lambda \Lambda$		p113	p113	p113	xī 10	07.		$\sqrt{1}$	
1800	0pF	W	V	V	CO		W			W	1	M	Co		W	p113	p113	p113	-1.1	007		No.	
2200	0pF	-131	W.	WY .	7 C	$D_{N}$				-stV	W.		J.C	DAY	-011	p113	p113	p113	W.	.00	Z.C		
2700	0pF	M,	~1XN	100		OM	1.7.	- 7			VIV	700	-7 (	ON		p113	p113	p113	WW	Tan	×7 (	OD	
3300	0pF	W		110	27.		T.L			W		u 10	25.		T.T	p113	p113	p113	_ 1	$\sqrt{.10}$	0.50	co	
3900	0pF	1	W	1	M	Co	1	W		V	LV.		MOX		217	p113	p113	p113	111	×11	001		
4700	0pF		T N	11.7		7 CC	Mr.	- N			WW	111.7	007	(.C	M	p113	p113	p113	WW	///	.00	$\chi$ .C	
5600	0pF		N.A.	W	700	-10	$M_{\rm O}$	7	×1			p112	Ing	<7 C	$O_{M}$		<b>K</b> I		p113	p113	p113	V (	
6800			W.		10	17.		$T_{a}$	7			p112	1.10	13.	-01	$T_{IJ}$			p113	1	p113	- 7	
8200			V	AN A	- 1 1	OY.		MI	N			p112	T 1	10X		MJ	W		p113	_	p113		
	0μF			W	$M_{27}$	COS	$C_0$	743.	W		p112	p112	11.	00	.Cu		TW		p113	p113	p113		
	2µF			231	W.	Ino.	v C	$\Omega M_I$				(1V	W.	100	V.C	Dia		1		W	M.	p113	
	5μF					101	7.	40	(', T',	×1		YY		3,01	~ 7 (	101	1.5			- 3	WV	p113	
	8µF			W		v 10	0.7.		AT			W	V .	N.10	01.		V.J	N.				p113	
	2μF						007	CO		W			VW	111	001						N	p113	=
	7μF					W.		7.C	DAT.	σV			WV	W.	400	V.C	DEAD	TV			W	p113	
	3μF				1	NN	700	×7 (	ON		N.I		T T	NN	Too	V	ON	-	N			p113	
	9μF				1	77	110	21.		AT	N.			- «T	1.10	Or.	c01	1.7				p113	
0.4	7µF			1	1 21	MA	177	~ 1		1	441		<1		į.	Voc			1		į.	p113	l



p00 Each number in the Part Number List refers to the page number printed at the bottom of the page.

#### ■ GQM Series Temperature Compensating Type

00 ← Part Nun	nber Lis	st .	JIS: 0	CK	CJ	СН		IA: C	0G	MA	1.5	OY.COTTW
L×W (mm)		W	1.6×0.8	3	CO	Mr.	2	.0×1.2	5	WW	2.8× 2.8	OX.COM. TW
T max. (mm)	0.8		0	.9	- 0	M	0.	95		1.0	1.35	Too COM.
ated Voltage (Vdc)	250	10	00	1 5	0	10	00	5	0	250	500	1001. COM.1.
Cap. / TC Code	COG	COG	СΔ	COG	CH	COG	СΔ	COG	СН	COG	COG	1100X.
1.0pF	p115	p115	p116	11.70	. ASI	p117	p118			p120	p121	The indication
2.0pF	p115	p116	p116	$\sqrt{N}$	MA >	p118	p118			p120	p121	been omitted t
3.0pF	p115	p116	p116	·	100	p118	p118	IN		p120	p121	Refer to the P
4.0pF	p115	p116	p116	Mar	. 10	p118	p118	TT	N	p120	p121	details.
5.0pF	p115	p116	p116		1.70	p118	p118	17.	W	p120	p121	My Co
6.0pF	p115	p116	p116	- 1	$\sqrt{1}$	p118	p119	M		p120	p121	AMM. Jugar Co
7.0pF	p115			p116	p117	p118	p119	$\Lambda c$	$\mathcal{I}_{III}$	p120	p121	M. 100 J.
8.0pF	p115	N.		p116	p117	p118	p119	O P	T	p120	p121	MM 100X.
9.0pF	p115	κŃ		p116	p117	p118	p119	$CO_{\bar{D}}$	1.	p120	p121	WWW.
10pF	p115	N.		p116	p117	p118	p119	CO	$M^{\circ}$	p120	p121	M.Too
11pF	p115	LIN		p116	p117	p118	p119		$\Lambda_C$	p120	p121	M 100.
12pF	p115	TV		p116	p117	p118	p119	Y.C		p120	p121	WW 100
13pF	p115	h.o 32	cal_	p116	p117	p118	p119	~7.(	,0 h	p120	p121	MMM.
15pF	p115	$V_{IJ}$		p116	p117	p118	p119	U X	cO	p120	p121	MW.7
16pF	p115	110		p116	p117	p118	p119	001		p120	p121	W.
18pF	p115	) 71 -	TV	p117	p117	p118	p119	400	J.C	p120	p121	MM
20pF	p115	$O_{N_i}$		p117	p117	- 1	NW	p119	p119	p120	p121	N WWW
22pF	p115	~O]	V.T.	p117	p117	N1		p119	p119	p120	p121	N N
24pF	p115		<b>M</b> . I	p117	p117	1		p119	p119	p120	p121	M. M.
27pF	p115	CC		p117	p117	-	WW	p119	p119	p120	p121	TW WY
30pF	p115	<7 C	$O_{IM}$	p117	p117		<b>4X</b> [X	p119	p119	p120	p121	W W
33pF	p115	) 7.	-01	p117	p117			p119	p119	p120	p121	7.7
36pF	p115	01		p117	p117		1	p119	p119	p120	p121	WIN
39pF	p115	003	.CU	p117	p117		•	p119	p119	p120	p121	WILL
43pF	p115	TOO	JC	p117	p117	J		p119	p119	p120	p121	Divi
47pF	p115	100	7.	p117	p117	- T		p119	p119	p120	p121	OM.
51pF	111	«1 1 Q	01.	p117	p117	N		p119	p119	p120	p121	COMITY
56pF	W	14.5	You	p117	p117	W		p119	p119	p120	p121	·
62pF		W.	00	p117	p117	-01/		p119	p119	p120	p121	Y.COM.
68pF	AA .	XIV	100	p117	p117	T.	<b>4.</b> T	p119	p119	p120	p122	W.COM.TW
75pF			s 10	p117	p117	T		p119	p119	p120	p122	DY. COM.TW
82pF	17	W	N	p117	p117		W	p119	p119	p120	p122	DY.COM.TW
91pF			11/7	p117	p117	Mr.	- N	p119	p119	p120	p122	DOX.COM.TW
100pF		NN '	cTXN.	p117	p117	OM	L. A.	p119	p119	p121	p122	M.100X.COM.TM
		W	1	V.100	) X.C		TI	N		10	4.	100 T

V.II'MY.COM.TW The indication for every 0.1 pF has been omitted for less than 10 pF. Refer to the Part Number List for details. WWW.100Y.COM.TW

Capacitance Table P00 Each number in the Part Number List refers to the page number printed at the bottom of the page. WWW.100X.

#### ■ GRJ Series High Dielectric Constant Type

			-1-14	107.			1/4					$n_{r}$		<u> </u>							
L×W (mm)	-	1.25	N.T.	<del>- AAY</del>	3.2	×1.6	W		4	NV	//	COO	I.Cu	;	3.2×2.5	5					
T max. (mm)	1.0	1.45	TVI.	1.25	70	DIM.	1.8	ī.		1.5	W.	100	2.0	$O_{D_{I}I}$	2.3	1			.8	ı	
ated Voltage (Vdc)	250	250	1000	630	250	1000	630	250	1000	630	250	1000	630	250	100	5		25	16	10	6.3
Cap. / TC Code	X7R	X7R	X7R	X7R	X7R	X7R	X7R	X7R	X7R	X7R	X7R	X7R	X7R	X7R	X7R	X7R	X7S	X7R	X7R	X7R	X7F
470pF			p124	N.×	N X	CA		W			M	1	001	C		W					
680pF			p124	$\sqrt{N}$	00	7 C	$M_{T}$ .					11.		J.C	DIAT.						
1000pF	p124		p124	p124	100	7.	$M_{\mathbf{Q}}$		les T		N.	w W	700	-1 C	OM						
1500pF	p124		p124	p124	110	21.		$\Lambda$ $\Gamma$	N		N.		110	2.	~~1						
2200pF	p124		p124	p124	N	NOX.	$C_{\Omega}$	- 6 1	W		V		-1.4	VOO.	UV.	-A-1	W				
3300pF	p124		p124	p124	1.1	0	CC	Mr.				WW	11.3	00	LCC	MA					
4700pF	p124		p124	p124		700	- (	$M_{\odot}$	7.1	kT			W	700	~7 C	$O_{\overline{M}}$					
6800pF	p124			p124	N	p124	N.C		p124	N		W		1100	7.						
10000pF		p124		p124		p124		COF	p124	W		4/	1111	- T 1	OX.			W			
15000pF		p124			p124	11.77	p124	.co	Mr.		i	p124	W	W.F.	005	,CQ		W			
22000pF		p124	er.		p124		p124	7.60	DM	p124		p124		W.	700	of C	$\mathfrak{I}_{M}$	1			
33000pF		TV			4/1		100	p124		TV			p124		300						
47000pF			N		-55		- 10	p124	202	T	N		p124	111	×110	01.		T.D.			
68000pF		Mr. ,	ari V		p124	TW	1.7		CO	Nr.	p124				N.x	M			TVV		
0.10µF		M					W.1	p124	1	M.	-			p124	AV.)	UV		$\mathcal{I}_{M}$ .	~~~		
0.15µF			TW					100	1.0		p124			W.	- TV	100		M	7.		
0.22µF		$O_{N}$		N		W		- 10	Z.C	, O s	T	N		p124	W	110			1.T	N	
0.33µF		$co_{J}$	17. 7	αÑ.			W	1.20		$C_{O_i}$	N 3-	W			W	New		CO		W	
0.47µF			M	- 1			-131	W.1	00 -	- CC	M	-				4/7		C	Mr.	- TA	
0.68µF			AA	IM				are N	100.		Mo	JW				w.			$M_{\rm O}$		k1
1.0µF		V.C	Obis		N.		W		- 100	Y.C					401			<b>X</b> -V			N
2.2µF				70-	W			WV		1	COF		W		p124	101	10-	W.	COF		N)
4.7μF		M F	<b>CO</b>	$M_{i,j}$	-31			a TXN	$\sqrt{1}$	)V -	ce	700	~XX			p124	101	104	,co	Mr.	
10µF		007		M					TN.	1003		M	1.4	1			ρ124	p124	n 104	0.104	7.
22µF		100	Y.C	- a 1	V			W		100	Y.V		(T)	N				100	p124	p124	0.10
47μF	WW	To		ON						102		LOD		V				1	1	$O_1$	p12

	1 4 4		V00		- 6	LAA		
L×W (mm)	- TVI	W-1	4.5×3.2	27 (			5.7×5.0	)
T max. (mm)	1.	.5	100	2.0	Mo.	· T	2.0	
Rated Voltage (Vdc)	630	250	1000	630	250	1000	630	250
Cap. / TC Code	X7R	X7R	X7R	X7R	X7R	X7R	X7R	X7R
33000pF		~T\N	p124	J-0	, CC	Mr.	-XV	
47000pF		W.	p124	700		MO	7	- 1
68000pF	p124	W		100		p124		
0.10µF		V	WV	p124	N.Yo.	p124	T	W
0.15µF		p124	N W	11.7		CO	p124	-SV
0.22µF				EN.	p124	- 0	p124	J. V.
0.33µF			MA		p124	1.0		p124
0.47µF			W	MA	p124	ov.		p124
0.68µF				TV	N'r		CO	p124
1.0µF				V 1	$\propto 1.1$	00 x	~ ~(	p124

WWW.100X.

WWW.100Y.COM.T

#### Capacitance Table

1.0µF

WWW.100Y.COM.TW

WWW.100Y.C

p00 Each number in the Part Number List refers to the page number printed at the bottom of the page.

WWW.100Y

WWW.100Y.COM.T

p00 ← Part Num	ber L	.151	EIA:	A/ I		O s.		N			W	444	أمم	Y.V		T	N								
L×W (mm)	2.0×	1.25	W.	In	~J (	3.2	×1.6	at N			CXIV	11/3	3.2×2.	5	$C_{\mathbf{O}}$	12	4.5	×3.2				5.7	×5.0		
T max. (mm)	1.0	1.45	. 1	.0	O P.	1.25	M.		1.8		1	.5	1.10	2.0	CC	1.5	J	2.0			2.0			2.7	
Rated Voltage (Vdc)	250	250	450	250	630	450	250	630	450	250	630	250	630	450	250	250	630	450	250	630	450	250	630	450	2
Cap. / TC Code	X7T	X7T	X7T	X7T	X7T	X7T	X7T	X7T	X7T	X7T	X7T	X7T	X7T	X7T	X7T	X7T	X7T	X7T	X7T	X7T	X7T	X7T	X7T	X7T	X
10000pF	p126		p126		p126	-7 (	3O)	1.	M.			OV V			oV.	$\mathbb{C}_{\mathbf{O}^{j}}$	1	CVV							
15000pF	p126		p126		.10	0 5	cC	p126				1	NV	1.70	V -	CC	M.		s.T						
22000pF		p126	W	44.	sī 1	p126		M	IN		p126	111	1	$\alpha 1.3$	00.		ON	7.7.							
33000pF	N		1	p126	MAG	p126	I.C	O.S.	T	N		1	p126	- T	100	X.C		T.A.	N						
47000pF	a Al				W.		p126	$^{2}O_{I}$	p126	W.			p126	111		N.			W						
68000pF	- "				TV.	1.10	U P	cC	M.	p126				p126	1.70		p126	$D_{IM}$	2	KT.					
0.10µF	TW					<b>x</b> 1 1	90.x		$M_{C}$	TV		p126	10	p126	$\propto 1.1$	00,		ON	7.7	p126					
0.15µF		N			W		00ء	Y.C		T	N			AM	p126	100	1.0	p126	LL	p126					
0.22µF	7.	αXÍ			ou V		3	N.	707	3.0	o N			W	111	p126	N.	Co		TW	p126		p126		
0.27µF	$M_{i,j}$				N.	at V	1.10	U >	cC	M.		1			W	1.70	~	C	DIV		<b>s</b> 1		p126		
0.33µF	10	TW			W		x1 1	$00\lambda$		M	T	N				$\propto N.3$	00)		p126	F. F.	p126				
0.47µF	DM-		N		1	VN		000	Y.C	0	TI	N		1	M		100	X.		T.T	p126	p126			
0.56µF	O	7. 2	~XX				W	700		20	N.T.	CV			W	M		oV.	CO		TW			p126	
0.68µF	-0	M.				N.	-x1 <b>X</b> 1	1.10	O >	~C	M				4,	- TI	1.71		C	DIVI		p126			

Capacitance Table [p00] Each number in the Part Number List refers to the page number printed at the bottom of the page.

#### ■ KRM Series High Dielectric Constant Type

L×W (mm)			3.5×1.7	7		3.6×	3.7×			-11	W.1	$m_{\Sigma}$		N	6.1×5.0	)						
T max. (mm)	2.0	MN.		.9	CO	3.6× 1.7 2.9	3.7× 1.85 2.9		4	MAN	3	.0		M	o. 1×5			3.9			5	.0
Rated Voltage (Vdc)	25	100	50	35	25	50	100	1000	630	250	100	63	50	35	25	100	63	50	35	25	1000	_
Cap. / TC Code		X7R	X7R	100	X6S	X7R	X7R	X7R	X7R	X7R	- TAA	X7R	X7R	X7R	»-	X7R	X7R	X7R	X7R		X7R	
68000pF			~	1.50	935	c0	17.	p129				N.M	~<7	CO	73.	-41						
0.10µF				-x11	003		M	p129				$\sim 1.3$	00,7	. ((	M							
0.15µF			WW		100	Y.C	- 3/	TW	p129	1	MA		100								p129	
0.22µF			W.	MW		V.C	Ob	- 17	p129		W	NN	. 40	M.C		1 T	N				p129	
0.33µF					1.10	~ 1	$CO_{\overline{I}}$		~N			M	4.5		CO		W					p12
0.47µF			N.		$\sqrt{1}$	00 r		M.				* * * * * * * * * * * * * * * * * * *	$\sqrt{1.1}$	00	- ((	M						p12
0.68µF			1	MW		100		$\Lambda$		p129			- N	100		M						
1.0µF	TY	p129		W		400	V.C	Obe		p129		W	N A.	-100	Y.C		T	N				
1.5µF		k X			WV	To.		$\mathbb{C}_{\mathbf{O}_{\widehat{D}}}$		W		1	WV		N.	$\mathbb{C}_{\mathbf{O}_{L}}$	- 1	W				
2.2µF		N.			· .	p129	p129	c0					-7XV	$M_{J_I}$	30	CO	M.	~ <b>X</b> XÍ				
4.7µF		LIN	p129				(00)			IM	p129	p129	p129		700.		M		1			
6.8µF	JME	TV			WV	111.	100	Y.C		TV			W	N N	100	p129		T	N			
10µF	p129	) - 0 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1	XI.	p129	p129	WW	.10	N.			N		p129	p129		ov.	p129		W			
15µF		17.7					N.10	UF		Wir	· .			p129	p129	~ J	CO	Mr.	-4XI			
17µF		A	Į,			N. A.	~xi_1	001		M					$\sim 1.1$	00 >		p129	p129			
22µF		) » (	TW			WW		100			TM			$M_{N}$		100	X.V	W	p129	p129		
33µF		$O_{D_i}$		N_		-71	MM			$O_{Z_0}$		N		W			V.	105	T	p129		
47µF		c01	17.7					1.70		$CO_{J}$	V7. >				W	N. 32		CO	1	W		
68µF	101						1	$\alpha 1$	00  r	L	M					$\sqrt{1}$	00 -		M.			
L×W (mm)	100	<del>11.</del>	col	V.T.	6.1:	×5.3			1.10	0	-01											
T max. (mm)	. 46	MY.	5.0	- 1 T	W		W	6.7	- 40	JUX.												

L×W (mm)					6.1>	×5.3				
T max. (mm)	×1 10	10X	5.0	LI	W		1/	6.7	x 1	90 x
Rated Voltage (Vdc)	250	100	50	35	25	100	63 <	50	35	25
Cap. / TC Code	X7R	X7R	X7R	X7R	X7R	X7R	X7R	X7R	X7R	X7R
68000pF		700	3.	MON	7.7.				αIV	.10
0.10µF		x1 10	07.	. 01	V.T	W		W		x 1
0.15μF		N	OOY	CO		W		1	AM	
0.22µF		M.		J.C	$0$ $M_{T}$ .	-			WV	$M \cdot$
0.33µF		W	100		$\mathbf{O}_{\mathbf{M}}$		< T			W
0.47μF			a 10	25.0		$\Lambda$ . $\Gamma$			W	
0.68µF				M.	Co,	1	W		V	M
1.0µF		W	11.7		$_{I}$ , $\mathbb{C}^{\mathbb{C}}$	Mr.	-TV			WV
1.5µF	p129		W.	100 ·		$OV_V$		ci		
2.2µF	p129	M.		100	J. C	-01	(T)			
4.7μF		V		40	ov.		$\Gamma_{LL}$	W		V
6.8µF			WW	11.2		CO	Mr.	TV		
10µF		p129		M.	100	- 01	$O_{MT}$			
15µF			W.		100	p129	vo.	(1)		
17μF			W	W.	-10	01.		$\Gamma_{L}$	N	
22μF			p129	p129	N. r.	NO.	p129	NE	W	
33µF				p129	p129	W -	7 C(	p129	1	
47μF				111 .		100	X .	$\mathbf{M}$	p129	p129
68µF					M. a.	. 40	V.		T	p129

Capacitance Table Poo Each number in the Part Number List refers to the page number printed at the bottom of the page.

p00 ← Part Num	ber Li	st E	IA:	K7T								
L×W (mm)		TIV!	11.11	)	CO	6.1×5.3	3		4	WK	W.F.	
T max. (mm)		3.0	TVI.	100 s	3.9	M.	5	.0		6.7	JW.1	
Rated Voltage (Vdc)	630	450	250	630	450	250	450	250	630	450	250	
Cap. / TC Code	X7T	X7T	X7T	X7T	X7T	X7T	X7T	X7T	X7T	X7T	X7T	
0.10µF	p132		τŴ	11.70		CO	N.V.	-XV			TWN	
0.15µF	p132			W.1	00 >	. ((	M.					
0.22µF		p132	MA	p132	100		M	IN				
0.27μF	N		W	p132	. 10	NY.C	U Y	T	Ń		WW	
0.33µF		p132		W	1.10		$CO_{j}$	1	N.		<b>4M</b>	
0.47µF		p132	p132		W.1	00 r		M	p132			
0.56µF	TW		4		p132	100		$M_{\odot}$	p132			
0.68µF		N	p132	W		400	p132	Ori	T	N	1	
1.0µF	1. 1	c XI			WV	p132	p132	$CO_{L}$	1.	KN		
1.2µF	M.J	N.			-XXI	N.1	W F	-00	$M_{i,j}$	p132		
1.5µF		LM		1			00)	p132	$\Lambda c$	IM		
2.2µF	DME	TV			WY	11.	. 00	Y.C	95	TV	p132	

L×W (mm)	1.6× 0.8		V.T.			2.0×	1.25	N.10	0	c0]	V.I			;	3.2×1.6	3 . 10	-7	CC
T max. (mm)			717	0.55		V		-x1 1	0.95		M.	1.44	0.55	V	0.9	95	00 1.	25
Rated Voltage (Vdc)	4	25	16	10	6.3	4	25	16	10	6.3	4	16	10	6.3	16	10	16	10
Cap. / TC Code	X7S	X7R	X7R	X7R	X7R	X7S	X7R	X7R	X7R	X7R	X7S	X7R	X7R	X7R	X7R	X7R	X7R	X7R
10000pF	170	p134	100	I'r.			p134	TXIV	1.70	7	~O}	1.1	-1			WV	Tra	~ < 1
22000pF		p134		LI	W		p134	N.	x11(	30x		V.T	W			T	$\sim 1^{\circ}$	90z
47000pF		005	p134	IA	W		p134	MW		005	Cc	- 1	W		4	NW		00
0.10µF	p134	100	p134	$D_{MT}$		1		p134	M.		J.C	Divi	~V	1		WV	M.	
0.22µF	p134	700	3.0	p134	1.7.			p134	o TV	700	-7 (	p134	1.1	- <b>-</b> 1		1	WW	ìn
0.47µF	p134	-110	01.		p134	W		1//	p134	x1 10	0x.	-01	p134	NA	p134	10	-21	N.1
1.0µF	W	N. F	Voo	CO	- 1	p134			VV	p134	007	Co	- 1	p134		p134	p134	- 41
2.2µF	p134	W.	00	7 C.	DIVI-	-33			W.	M.	p134	J.C	DAT	p134			WV	p134
4.7µF	AA.	-33	100	1	M	p134				-TN	700		M	10 Jr	- 1			πŃ

Capacitance Table Poo Each number in the Part Number List refers to the page number printed at the bottom of the page.

#### ■ LLL Series High Dielectric Constant Type

L×W (mm)	(	0.5×1.0	0	0.6× 1.0	CO				0.8	×1.6					W			1.25	×2.0			
T max. (mm)		0.35	TVI.	0.45	. (1	0	.5	. 7	0.55	-757	JVV.	0.6	-1 C	$O_{M_T}$	1	(I	0	.5			0	).7
Rated Voltage (Vdc)	6.3	W	4	4	25	16	10	4	4	50	25	16	10	4	50	25	16	10	6.3	4	50	
Cap. / TC Code	X6S	X7S	X6S	X5R	X7R	X7R	X7R	X7S	X7S	X7R	X7R	X7R	X7R	X7S	X7R	X7R	X7R	X7R	X7R	X7S	X7R	>
2200pF			TVI	11.70	~\$1	CO	N.V.	-XXI		p136		11.2	. ov	CO	N.F.	W						Ī
4700pF			N Y	W.1	00 x	- c(	M.			p136	-787	W.1	00.	7 C	M.							
10000pF			MAIN		p136	Y.C.		$\mathcal{I}_{N}$			p136	XXI	100		p136	TV					p136	
22000pF			W	MAN		p136	Oz		Ń		p136	1111	-10	DY.	,0	p136	N				p136	
47000pF				W	1.10	p136	$CO_{J}$	1	αN		<b>4</b> 1	p136	1.10	V	$CO_{i}$	1	p136					1
0.10µF	p136		N	1	$\sqrt{1}$	90 ×	p136	M.				_ TXN	p136	10.	7 ((	M.	p136					
0.22µF	p136		1	MAI	- 1	100		p136	IM			M. A.	p136	100.		Mo	7.7	p136				Γ
0.47µF	TV	p136		W	A.M.	400	$\chi$ .C	O.S.	TT	Ń		W	N. Y.	p136	Y.C		T	N	p136			
1.0µF		« <b>%</b> [	p136		WW	'Ya		207	1.	(N		<b>4</b> X	WV	1.2	N.	$CO_{I}$		W		p136		Ī
2.2µF		77				N.1	O.	d0	p136	W 1			- (XX	W.1	10 -	cO	M.	- 1				-
4.3µF		LIN		p136	MAA	- 1	00)		M	IM				TXN.	100,		M	LA				
4.7µF		TV			WV	111.	400	y.C	Dry	TV			W		100	Y.V		TY	N			
10µF			<b>*</b> 1			WW	Tax	~ <b>*</b> 7 (	OD		cal .		<b>* * *</b>	WW	. 1	V.	Ob		N			1

L×W (mm)	(	1.25	×2.0			11/1	~31	100	7.0			1.6×3.2		44.	-111	100	7.	Vin	
T max. (mm)	0.7	Obi	0.95	N		0	.5		N.C	Ob	0.8	N		W	MAI	1.	25	700	
Rated Voltage (Vdc)	10	16	10	4	50	25	16	10	50	25	16	10	6.3	50	25	16	10	6	.3
Cap. / TC Code	X7R	X7R	X7R	X7S	X7R	X7R	X7R	X7R	X7R	X7R	X7R	X7R	X7R	X7R	X7R	X7R	X7R	X7R	X5R
2200pF	201	CC	111	σW			WW	44.	.00	1.0		TW			WW	1	100		-3/
4700pF		-70	$OD_{I}$		κī		- 11	W	700	∢/ C	$O_{j_{ij}}$		N			IN		V.C	$O_{\mathbb{Z}_2}$
10000pF					p136			- TV	p136		401	7.7	-1			- T V	1.70	7	100
22000pF		OY.		TI	p136		M		p136	10 X.		C.M	W		M		$\propto 1$	20 x.	
47000pF			CO	74.5	W	p136	-	VW	p136	003	C		W		<	VV		00	
0.10µF		100	-7 C	DIV	- 1	p136		-XIX	M.	p136	JC	$\mathfrak{I}_{M_T}$		p136		<b>TX</b>	My.		V.C
0.22µF	p136	p136			1.1		p136		TV.	700	p136	40		-<1	p136		σV	70,	×1 (
0.47µF	44	-110	p136		TI	W		p136	W.	x110	p136	- 0	V.T		p136	W		N.19	07.
1.0µF		No	p136	$C_{O}$		W		<	W		001	p136	. 10	W		p136	AM		007
2.2µF		W.	U	p136	DIM.	-41			a V	M.		J.C	p136	TIN			p136	111.	. 00
4.3µF		-TXN	100	*	OM					wW	700		ON		×1			WW	Too
4.7µF		W.	110	DAY		T	N		W		x1 10	21.	-01	T.L	1		M	p136	V.10
10µF		W		V.	Co		W					You	C		W		V	144	p136

#### ■ LLM Series High Dielectric Constant Type

LxW (mm)     2.0×1.25     3.2×1.6       T max. (mm)     0.55     0.55       Rated Voltage (Vdc)     6.3     4     16     10     6.3       Cap. / TC Code     X7R     X7S     X7R     X7R     X7R       0.10μF     p138     p138       0.47μF     p138     p138       1.0μF     p138       2.2μF     p138	p00 ← Part Num	nber Lis		EIA: X	(7R	X7S
Rated Voltage (Vdc)       6.3       4       16       10       6.3         Cap. / TC Code       X7R       X7S       X7R       X7R       X7R         0.10μF       p138       p138         0.22μF       p138       p138         0.47μF       p138       p138         1.0μF       p138	L×W (mm)	2.0×	1.25		3.2×1.6	300
Cap. / TC Code       X7R       X7R	T max. (mm)	0.	55	11/1	0.55	100
0.10µF	Rated Voltage (Vdc)	6.3	4	16	10	6.3
0.22μF p138 p138 0.47μF p138 p138 1.0μF p138	Cap. / TC Code	X7R	X7S	X7R	X7R	X7R
0.47μF ρ138 ρ138 1.0μF ρ138	0.10µF			p138	1	$\mathbf{w}$ .
1.0µF p138	0.22µF	p138		p138	M.A.	· · · · · · · · · · · · · · · · · · ·
	0.47µF	p138			p138	MAG
2.2µF p138	1.0µF		p138		<b>4</b> 1	W
	2.2µF					p138

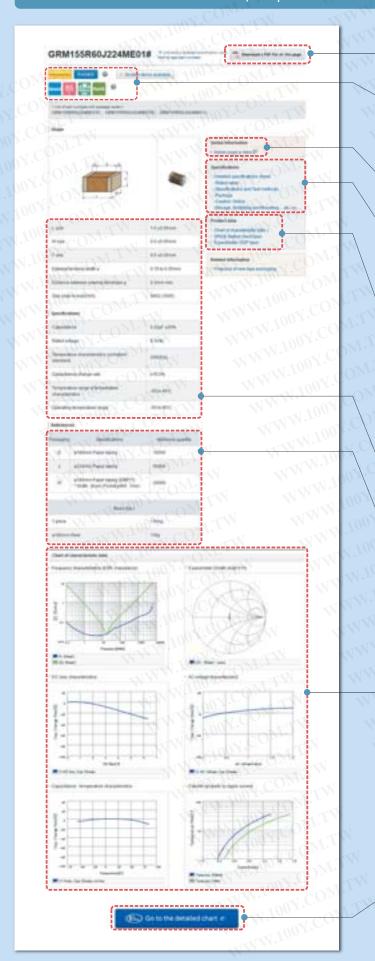
# poy.COM.TW WWW.100Y.COM.TW

L×W (mm)	57 C	0.8	×1.6	
T max. (mm)	1.	0.	55	
d Voltage (Vdc)	OX.		4	W
TC Code	OON	X	7S	TW
ap. / ESR (mΩ)	100	220	470	1000
1.0µF	p140	p140	p140	p140

## **Search Capacitors**

Specifications and Test Methods, Package, Chart of Characteristic Data, please refer to the search web page.

http://www.murata.com/products/capacitor/



#### **Data Sheet**

The product details page can be output in PDF.

#### Status and Features Icons

The status and features of products can be checked at once. When ② is clicked, a description of each icon will be displayed.

#### Characteristics & Applications

This links to the introduction page of each series.

#### **Detailed Specifications Sheet**

- Rated value
- Specifications and Test Methods
- Package
- Caution, Notice (Storage, Soldering and Mounting, ....etc.)

#### Characteristics Data

The following characteristics data of the main products can be acquired.

- SPICE Netlist (mod type)
- S parameter (S2P type)
- Reliability Test Data \*Typical data
- Shape (Dimensions)
- Rated Values
- Specification by Packaging Code/ Minimum Order Quantity
- Weight (1 pc/ø180mm reel)

#### Chart of Characteristic Data

The main products published characteristic data.

- Frequency characteristics (ESR, Impedance)
- S parameter (Smith chart S11)
- DC bias characteristics
- AC voltage characteristics
- Capacitance temperature characteristics
- Calorific property by ripple current

## **Design Tools SimSurfing**

The SimSurfing design tools are useful for displaying the graph, downloading CSV data and overwriting the product number graph. For General Purpose

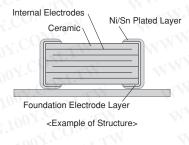
## **GRM Series**

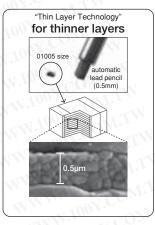


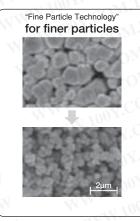
This is Murata primary products renowned for both small size and large capacitance value with latest advanced technology.

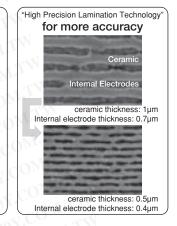
#### **Features**

Achieves large-capacity and small size in a multilayer structure.









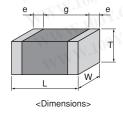
- Sn plating is applied to the external electrodes; excellent solderability.
- High reliability with no polarity.

W. TON TOO	Ceramic Capacitor	Tantalum Capacitor	Aluminum Electrolytic Capacitor	Conductive Polymer Capacito
Price	0	TANNOUV C	OM-	-Jun COO
Comparison between Impedance Frequency Characteristics	©	M.M.V. 100X	OWITH A MM	M.100x.CONTAN
Capacitance temperature characteristics	COMPO	© 1100	V.COM.TVO	MATON SOM
DC breakdown voltage	- COM-0	Δ ( ).100	ZCON- AI	MAN & COM.
Polarity	No	Yes	Yes	Yes
Pulse response		Δ		M. M. 100.
Allowable ripple current	A CUO MINI	Δ	ATV	MW AY.
Reliability		OWW	CO O	MAN O M.CO.
DC bias characteristics	July AM.	0		(O)

O: Particularly excellent O: Excellent

#### Specifications

Size	0.4×0.2mm to 5.7×5.0mm
Rated Voltage	DC2.5V to 3.15kV
Capacitance	0.1pF to 220μF
Main Applications	Rated voltage 100V Max.     High Dielectric Constant Type · · · For decoupling and smoothing circuits     Temperature Compensating Type · · · For tuning circuits, oscillating circuits,



This catalog contains only a portion of the product lineup.

Please refer to the capacitor search tool on the Murata Web site for details.

# **GRM Series Temperature Compensating Type Part Number List**

Т	Rated	TC	Con	Talo	CO Dort Nimbon	-
max.	Voltage	Code	Cap.	Tol.	Part Number	
.22mm	16Vdc	COG	0.20pF	±0.05pF	GRM0225C1CR20WA02#	
	TW		WV	±0.1pF	GRM0225C1CR20BA02#	
	··		0.30pF	±0.05pF	GRM0225C1CR30WA02#	
001	1.7.	. 1		±0.1pF	GRM0225C1CR30BA02#	
	MI	N	0.40pF	±0.05pF	GRM0225C1CR40WA02#	
	T CT	W		±0.1pF	GRM0225C1CR40BA02#	
	$O_{Mr}$ ,		0.50pF	±0.05pF	GRM0225C1CR50WA02#	N
	Mo	7.4.		±0.1pF	GRM0225C1CR50BA02#	
		TV	0.60pF	±0.05pF	GRM0225C1CR60WA02#	LA
· ooy	$C_{O_{\lambda}}$		N	±0.1pF	GRM0225C1CR60BA02#	
	J CO	1.	0.70pF	±0.05pF	GRM0225C1CR70WA02#	
	1.0	M		±0.1pF	GRM0225C1CR70BA02#	1
	O.Y.C.	- 1	0.80pF	±0.05pF	GRM0225C1CR80WA02#	M
	any.C	$O_{N_1}$	W	±0.1pF	GRM0225C1CR80BA02#	
$\sqrt{N}$ .	UU -	COI	0.90pF	±0.05pF	GRM0225C1CR90WA02#	Oz
	1007		MIL	±0.1pF	GRM0225C1CR90BA02#	00
	. 100	I.C.	1.0pF	±0.05pF	GRM0225C1C1R0WA02#	
TWV	1.70	V.C	OMr.	±0.1pF	GRM0225C1C1R0BA02#	1.0
	$\sqrt{100}$		·OM:	±0.25pF	GRM0225C1C1R0CA02#	×7 (
	-x11(	101.	1.1pF	±0.05pF	GRM0225C1C1R1WA02#	
	1111.	003	CO.	±0.1pF	GRM0225C1C1R1BA02#	07
	WW.	Ino	$^{1}$ CO $_{J}$	±0.25pF	GRM0225C1C1R1CA02#	
		100	1.2pF	±0.05pF	GRM0225C1C1R2WA02#	
	MAL	-1 10	07:0	±0.1pF	GRM0225C1C1R2BA02#	10
	WW	W.r.	O.V.C	±0.25pF	GRM0225C1C1R2CA02#	- 4
		W.)	1.3pF	±0.05pF	GRM0225C1C1R3WA02#	1
	1/1/1	- TXXI	1.501	±0.05pi	GRM0225C1C1R3BA02#	W
	W	Mari	- 1007		GRM0225C1C1R3CA02#	
	1	W	1.4pE	±0.25pF	- 11	
			1.4pF	±0.05pF	GRM0225C1C1R4WA02#	M
		Mari	10	±0.1pF	GRM0225C1C1R4BA02#	
		W	1	±0.25pF	GRM0225C1C1R4CA02#	
			1.5pF	±0.05pF	GRM0225C1C1R5WA02#	
		111	TIN	±0.1pF	GRM0225C1C1R5BA02#	
		1		±0.25pF		
			1.6pF	±0.05pF	GRM0225C1C1R6WA02#	
				±0.1pF	GRM0225C1C1R6BA02#	
			1111	±0.25pF	GRM0225C1C1R6CA02#	
			1.7pF	±0.05pF	GRM0225C1C1R7WA02#	1
			11	±0.1pF	GRM0225C1C1R7BA02#	
				±0.25pF	GRM0225C1C1R7CA02#	
			1.8pF	±0.05pF	GRM0225C1C1R8WA02#	
				±0.1pF	GRM0225C1C1R8BA02#	N
				±0.25pF	GRM0225C1C1R8CA02#	W
			1.9pF	±0.05pF	GRM0225C1C1R9WA02#	
				±0.1pF	GRM0225C1C1R9BA02#	1
				±0.25pF	GRM0225C1C1R9CA02#	T
			2.0pF	±0.05pF	GRM0225C1C2R0WA02#	100
				±0.1pF	GRM0225C1C2R0BA02#	M.
				±0.25pF		
			2.1pF	±0.05pF		0,50
				±0.1pF	GRM0225C1C2R1BA02#	0
				±0.25pF	GRM0225C1C2R1CA02#	

T max.	Rated Voltage	TC Code	Cap.	Tol.	Part Number	
0.22mm	16Vdc	COG	2.2pF	±0.05pF	GRM0225C1C2R2WA02#	
	00 -7 (	MO.		±0.1pF	GRM0225C1C2R2BA02#	
	00%	- 07		±0.25pF	GRM0225C1C2R2CA02#	
	LOON	CO	2.3pF	±0.05pF	GRM0225C1C2R3WA02#	
	1.70	J.CC		±0.1pF	GRM0225C1C2R3BA02#	
	N.100	C		±0.25pF	GRM0225C1C2R3CA02#	
	-x1 10	01.	2.4pF	±0.05pF	GRM0225C1C2R4WA02#	
	1	NOV.		±0.1pF	GRM0225C1C2R4BA02#	
	$MM^{-1}$	0		±0.25pF	GRM0225C1C2R4CA02#	
	-XIVI	700	2.5pF	±0.05pF	GRM0225C1C2R5WA02#	
	111	1 100		±0.1pF	GRM0225C1C2R5BA02#	
	WWN	- 40		±0.25pF	GRM0225C1C2R5CA02#	
	- TVV	11.77	2.6pF	±0.05pF	GRM0225C1C2R6WA02#	
	NA .	TVI.1	00	±0.1pF	GRM0225C1C2R6BA02#	
	W	N 1,		±0.25pF	GRM0225C1C2R6CA02#	
	W	WW	2.7pF	±0.05pF	GRM0225C1C2R7WA02#	_
		CIVIT	1.700	±0.1pF	GRM0225C1C2R7BA02#	
				±0.25pF	GRM0225C1C2R7CA02#	
		WW	2.8pF	±0.05pF	GRM0225C1C2R8WA02#	
		W	2.05.	±0.1pF	GRM0225C1C2R8BA02#	_
				±0.25pF	GRM0225C1C2R8CA02#	_
		1	2.9pF	±0.05pF	GRM0225C1C2R9WA02#	-
	N	4	2.9pi	±0.03pi	GRM0225C1C2R9WA02#	_
	N N				K CUNY	-
			0.0-5	±0.25pF	GRM0225C1C2R9CA02#	-
	TW		3.0pF	±0.05pF	GRM0225C1C3R0WA02#	
	TW			±0.1pF	GRM0225C1C3R0BA02#	
	1	ij.	0.4-5	±0.25pF	CONTRACTOR	
	MIL		3.1pF	±0.05pF	GRM0225C1C3R1WA02#	
	LIM	N		±0.1pF	GRM0225C1C3R1BA02#	
	OME	W.	00.5	±0.25pF	GRM0225C1C3R1CA02#	Ų
	OM.		3.2pF	±0.05pF	GRM0225C1C3R2WA02#	_
	CON	TW		±0.1pF	GRM0225C1C3R2BA02#	
	CO	TT	N	±0.25pF	31100 - 381	1
	V.CO	NY.	3.3pF	±0.05pF	GRM0225C1C3R3WA02#	_
	-100	M		±0.1pF	GRM0225C1C3R3BA02#	1
	DX.C.	M	IM	±0.25pF	3111.2	Ņ
	nov.C	O.	3.4pF	±0.05pF	GRM0225C1C3R4WA02#	
	o o v	$C_{\mathbf{O}_{\widehat{D}}}$		±0.1pF	GRM0225C1C3R4BA02#	Ŋ
	700 7.	co	$M_{1,T,A}$	±0.25pF	GRM0225C1C3R4CA02#	
	100		3.5pF	±0.05pF	GRM0225C1C3R5WA02#	
	1.2	V.C		±0.1pF	GRM0225C1C3R5BA02#	•
	W.In.	×1 (	OM.	±0.25pF	GRM0225C1C3R5CA02#	J
	W.10	Or.	3.6pF	±0.05pF	GRM0225C1C3R6WA02#	
	N 111	001		±0.1pF	GRM0225C1C3R6BA02#	)
	MW.		$^{1.CO_{1}}$	±0.25pF	GRM0225C1C3R6CA02#	)(
	TANIN	700	3.7pF	±0.05pF	GRM0225C1C3R7WA02#	J
	N.A.	V.10		±0.1pF	GRM0225C1C3R7BA02#	
	WW.	. 4		±0.25pF	GRM0225C1C3R7CA02#	
	WIN	11.7	3.8pF	±0.05pF	GRM0225C1C3R8WA02#	
	111	W.	100,1.	±0.1pF	GRM0225C1C3R8BA02#	_
	W	W		±0.25pF	GRM0225C1C3R8CA02#	_
			3.9pF	±0.05pF	GRM0225C1C3R9WA02#	_
			1	±0.1pF	GRM0225C1C3R9BA02#	
				Pi		

# GJM Series

GMA Series

GQM Series GMD Series

GR3 Series | GRJ Series

## **GRM Series Temperature Compensating Type** Part Number List

T max.	Rated Voltage	TC Code	Cap.	Tol.	Part Number	W	T max.	Rated Voltage	TC Code	Cap.	Tol.	Part Number	
.22mm	16Vdc	COG	4.0pF	±0.05pF	GRM0225C1C4R0WA02#		0.22mm	16Vdc	COG	5.6pF	±0.1pF	GRM0225C1C5R6BA02#	
				±0.1pF	GRM0225C1C4R0BA02#		1.W.1	00 1.	MO.		±0.25pF	GRM0225C1C5R6CA02#	
	W			±0.25pF	GRM0225C1C4R0CA02#		MM	007.			±0.5pF	GRM0225C1C5R6DA02#	
	-XX		4.1pF	±0.05pF	GRM0225C1C4R1WA02#		MMM.	1007	CO	5.7pF	±0.05pF	GRM0225C1C5R7WA02#	
	7.			±0.1pF	GRM0225C1C4R1BA02#			700	J CC		±0.1pF	GRM0225C1C5R7BA02#	
	TIN			±0.25pF	GRM0225C1C4R1CA02#		- // '	N.100	1.0		±0.25pF	GRM0225C1C5R7CA02#	
		V	4.2pF	±0.05pF	GRM0225C1C4R2WA02#		- WW	-110	DY.		±0.5pF	GRM0225C1C5R7DA02#	
	Mr.	N		±0.1pF	GRM0225C1C4R2BA02#		WW	W.10	NOV.	5.8pF	±0.05pF	GRM0225C1C5R8WA02#	
	OM.			±0.25pF	GRM0225C1C4R2CA02#	<1		NW.1	00 -	CON	±0.1pF	GRM0225C1C5R8BA02#	
	- 7/	TW	4.3pF	±0.05pF	GRM0225C1C4R3WA02#	W.	- 1	- TXN	700.		±0.25pF	GRM0225C1C5R8CA02#	
	COM		4.001	±0.1pF	GRM0225C1C4R3BA02#	CVV	- 1	M. A.	- 100		±0.5pF	GRM0225C1C5R8DA02#	
	CON				GRM0225C1C4R3CA02#	- 1		ON WY	1.70	5.9pF	±0.05pF	GRM0225C1C5R9WA02#	
		T.N	4.4-5	±0.25pF	3 100	1	-	N ' '	W.19	5.9pr	- A		
	V.CO		4.4pF	±0.05pF	GRM0225C1C4R4WA02#	11	W	MAN			±0.1pF	GRM0225C1C5R9BA02#	
	-57 C	M.		±0.1pF	GRM0225C1C4R4BA02#	170	- VV	W	1111.		±0.25pF	GRM0225C1C5R9CA02#	
	01.	Mo	7.11	±0.25pF	GRM0225C1C4R4CA02#	M	1	-1		700	±0.5pF	GRM0225C1C5R9DA02#	
	OOY.		4.5pF	±0.05pF	GRM0225C1C4R5WA02#		TW	1N		6.0pF	±0.05pF	GRM0225C1C6R0WA02#	
		$CO_{\bar{I}}$		±0.1pF	GRM0225C1C4R5BA02#	Oh.	WT				±0.1pF	GRM0225C1C6R0BA02#	
	700 -	- 00	Mir	±0.25pF	GRM0225C1C4R5CA02#	001	M. r		WW		±0.25pF	GRM0225C1C6R0CA02#	
	1100		4.6pF	±0.05pF	GRM0225C1C4R6WA02#		M.I.			- XXX.1	±0.5pF	GRM0225C1C6R0DA02#	
	100	V.C		±0.1pF	GRM0225C1C4R6BA02#		WILL			6.1pF	±0.05pF	GRM0225C1C6R1WA02#	
	M.Jo.	~ 1	$O_{Mr}$ .	±0.25pF	GRM0225C1C4R6CA02#	V.C	OM		1		±0.1pF	GRM0225C1C6R1BA02#	
	JW.1	10 x.	4.7pF	±0.05pF	GRM0225C1C4R7WA02#	-7		«T			±0.25pF	GRM0225C1C6R1CA02#	
		1001		±0.1pF	GRM0225C1C4R7BA02#	01.	OM.T	N			±0.5pF	GRM0225C1C6R1DA02#	
	WW.	200		±0.25pF	GRM0225C1C4R7CA02#	003	COM	W		6.2pF	±0.05pF	GRM0225C1C6R2WA02#	
	UWW	700	4.8pF	±0.05pF	GRM0225C1C4R8WA02#		A COMP.				±0.1pF	GRM0225C1C6R2BA02#	
		x 10		±0.1pF	GRM0225C1C4R8BA02#	700	Moon	7.			±0.25pF	GRM0225C1C6R2CA02#	
	WW	111		±0.25pF	GRM0225C1C4R8CA02#	1110	OY.Co	TW			±0.5pF	GRM0225C1C6R2DA02#	
		11.7	4.9pF	±0.05pF	GRM0225C1C4R9WA02#	4-2	COD	TV	N i	6.3pF	±0.05pF	GRM0225C1C6R3WA02#	
	1/1/1	TVN.	700 r.	±0.1pF	GRM0225C1C4R9BA02#	W.	1 CO	M.r.	W.	•	±0.1pF	GRM0225C1C6R3BA02#	
	W	M.		±0.25pF	GRM0225C1C4R9CA02#	- 1	1007	TIM			±0.25pF	GRM0225C1C6R3CA02#	-1
		W	5.0pF	±0.05pF	GRM0225C1C5R0WA02#	1111	· LOOY.C	7 1 T	W		±0.5pF	GRM0225C1C6R3DA02#	1
		-111	0.001	±0.1pF	GRM0225C1C5R0BA02#	W	N.To.	OM:		6.4pF	±0.05pF	GRM0225C1C6R4WA02#	W
		M		±0.25pF			M.100 r.	COM		0. <del>4</del> pi	±0.05pi	GRM0225C1C6R4BA02#	- 1
		W	E inE		(1)		1007		$\Lambda$ . $\Gamma$			3 100 2	J. A
		<b>**</b> **********************************	5.1pF	±0.05pF	GRM0225C1C5R1WA02#	W	MM.	V.CO	4 1		±0.25pF	GRM0225C1C6R4CA02#	T
				±0.1pF	GRM0225C1C5R1BA02#		MM.Inc	ST CC	1	0.5-5	±0.5pF	GRM0225C1C6R4DA02#	3.0
				±0.25pF			10 TN 10	7.	Mo	6.5pF	±0.05pF	GRM0225C1C6R5WA02#	M.
				±0.5pF	GRM0225C1C5R1DA02#		WWW	10 X.C			±0.1pF	GRM0225C1C6R5BA02#	
			5.2pF	±0.05pF	GRM0225C1C5R2WA02#		MM.,	100Y	$\mathbb{C}_{\mathbf{O}_{D}}$		±0.25pF	GRM0225C1C6R5CA02#	Dr.
				±0.1pF	GRM0225C1C5R2BA02#		· Wint		c0	M.r.	±0.5pF	GRM0225C1C6R5DA02#	
				±0.25pF	GRM0225C1C5R2CA02#		- 1/1/1	1007		6.6pF	±0.05pF	GRM0225C1C6R6WA02#	~6
			- A	±0.5pF	GRM0225C1C5R2DA02#		. WWW	or 100	Y.C		±0.1pF	GRM0225C1C6R6BA02#	.0
			5.3pF	±0.05pF	GRM0225C1C5R3WA02#		- 111	W.In.	~J (		±0.25pF	GRM0225C1C6R6CA02#	J C
				±0.1pF	GRM0225C1C5R3BA02#			TW.10	Mr.	MOD	±0.5pF	GRM0225C1C6R6DA02#	-
				±0.25pF	GRM0225C1C5R3CA02#	N	W	1	001	6.7pF	±0.05pF	GRM0225C1C6R7WA02#	27.
				±0.5pF	GRM0225C1C5R3DA02#	(N)		MM.	001		±0.1pF	GRM0225C1C6R7BA02#	003
			5.4pF	±0.05pF	GRM0225C1C5R4WA02#			VV	700		±0.25pF	GRM0225C1C6R7CA02#	0-
				±0.1pF	GRM0225C1C5R4BA02#	IM			s 10		±0.5pF	GRM0225C1C6R7DA02#	
				±0.25pF	GRM0225C1C5R4CA02#		N	WW		6.8pF	±0.05pF	GRM0225C1C6R8WA02#	
				±0.5pF	GRM0225C1C5R4DA02#		- XX	WW	11.7		±0.1pF	GRM0225C1C6R8BA02#	
			5.5pF	±0.05pF	GRM0225C1C5R5WA02#	1.5	11	AA .	TXV.		±0.25pF	GRM0225C1C6R8CA02#	
			p.	±0.1pF	GRM0225C1C5R5BA02#	- 1	TW	W	14 4.		±0.5pF	GRM0225C1C6R8DA02#	
				±0.25pF	GRM0225C1C5R5CA02#	M	TIN			6.9pF	±0.05pF	GRM0225C1C6R9WA02#	
					GRM0225C1C5R5DA02#		1.7.			υ.υμι	H	GRM0225C1C6R9WA02#	
			E 0~ F	±0.5pF	11 1007		-				±0.1pF		
			5.6pF	±0.05pF	GRM0225C1C5R6WA02#						±0.25pF	GRM0225C1C6R9CA02#	<u> </u>

T max.	Rated Voltage	TC Code	Сар.	Tol.	Part Number	
.22mm	16Vdc	COG	6.9pF	±0.5pF	GRM0225C1C6R9DA02#	
			7.0pF	±0.05pF	GRM0225C1C7R0WA02#	
	[N			±0.1pF	GRM0225C1C7R0BA02#	
	TW			±0.25pF	GRM0225C1C7R0CA02#	
				±0.5pF	GRM0225C1C7R0DA02#	
	TIM		7.1pF	±0.05pF	GRM0225C1C7R1WA02#	
	TI	N		±0.1pF	GRM0225C1C7R1BA02#	
	MA	W		±0.25pF	GRM0225C1C7R1CA02#	
	$O_{IVI}$ ,			±0.5pF	GRM0225C1C7R1DA02#	
	MO	LAL	7.2pF	±0.05pF	GRM0225C1C7R2WA02#	
		TW		±0.1pF	GRM0225C1C7R2BA02#	N
	$C_{O_{2a}}$	- 171		±0.25pF	GRM0225C1C7R2CA02#	
	or CO	1.7		±0.5pF	GRM0225C1C7R2DA02#	
	1.	M	7.3pF	±0.05pF	GRM0225C1C7R3WA02#	, )
	O.Y.C.	- 1/		±0.1pF	GRM0225C1C7R3BA02#	1
	O.V.C	$O_{D_{s}}$		±0.25pF	GRM0225C1C7R3CA02#	
	UV -	COJ	1. 1	±0.5pF	GRM0225C1C7R3DA02#	N
	700 X	~0	7.4pF	±0.05pF	GRM0225C1C7R4WA02#	)
	100			±0.1pF	GRM0225C1C7R4BA02#	
	1.70	V.C		±0.25pF	GRM0225C1C7R4CA02#	
	M.70	-7 (		±0.5pF	GRM0225C1C7R4DA02#	
	TXN 1	00x.	7.5pF	±0.05pF	GRM0225C1C7R5WA02#	
	1	007		±0.1pF	GRM0225C1C7R5BA02#	<b>X</b>
	M.	. 00		±0.25pF	GRM0225C1C7R5CA02#	7
	TAN W	700		±0.5pF	GRM0225C1C7R5DA02#	
	N. A.	N.10	7.6pF	±0.05pF	GRM0225C1C7R6WA02#	J
	MM	-11		±0.1pF	GRM0225C1C7R6BA02#	1
	W.	111.3		±0.25pF	GRM0225C1C7R6CA02#	
	-11	WW		±0.5pF	GRM0225C1C7R6DA02#	
		-10	7.7pF	±0.05pF	GRM0225C1C7R7WA02#	Ó
	V			±0.1pF	GRM0225C1C7R7BA02#	Ì
		WW		±0.25pF	GRM0225C1C7R7CA02#	T
				±0.5pF	GRM0225C1C7R7DA02#	ď
		4/1/3	7.8pF	±0.05pF	GRM0225C1C7R8WA02#	Ì
		W		±0.1pF	GRM0225C1C7R8BA02#	Ť
				±0.25pF	CONTRACT	V
				±0.5pF	GRM0225C1C7R8DA02#	
			7.9pF	±0.05pF		
			WW	±0.1pF	GRM0225C1C7R9BA02#	_
				±0.25pF	- CON.	
				±0.5pF	GRM0225C1C7R9DA02#	_
			8.0pF	±0.05pF	1003-	_
				±0.1pF	GRM0225C1C8R0BA02#	_
				±0.25pF		_
				±0.5pF	GRM0225C1C8R0DA02#	1
			8.1pF	±0.05pF	4003-	_
				±0.00pi	GRM0225C1C8R1BA02#	Ý
				±0.25pF		11
				±0.5pF	GRM0225C1C8R1DA02#	
			8.2pF	±0.05pF	1 100 3	.0
			υ.Ζμι	±0.05pF	GRM0225C1C8R2BA02#	/K
				±0.1pF	- XXXV-2 - C()2	Λ
					GRM0225C1C8R2DA02#	Ž.
			8.3pF	±0.5pF ±0.05pF	111111111111111111111111111111111111111	_

T max.	Rated Voltage	TC Code	Cap.	Tol.	Part Number	
0.22mm	16Vdc	COG	8.3pF	±0.1pF	GRM0225C1C8R3BA02#	
	)U = 7 (	4ON		±0.25pF	GRM0225C1C8R3CA02#	
	00,1.			±0.5pF	GRM0225C1C8R3DA02#	
	1007	CO	8.4pF	±0.05pF	GRM0225C1C8R4WA02#	
	·In.	J C		±0.1pF	GRM0225C1C8R4BA02#	
	N.100	7.		±0.25pF	GRM0225C1C8R4CA02#	
	- 1 10	01.0		±0.5pF	GRM0225C1C8R4DA02#	
	111	MY.	8.5pF	±0.05pF	GRM0225C1C8R5WA02#	
	NW.	00		±0.1pF	GRM0225C1C8R5BA02#	
	- TVN	700.		±0.25pF	GRM0225C1C8R5CA02#	
		100		±0.5pF	GRM0225C1C8R5DA02#	_
	NWN	V - 2	8.6pF	±0.05pF	GRM0225C1C8R6WA02#	_
	TAN	11.77	×7 (	±0.1pF	GRM0225C1C8R6BA02#	_
	111	-XXI 1		±0.25pF	GRM0225C1C8R6CA02#	_
	W	N.A.		±0.5pF	GRM0225C1C8R6DA02#	_
	× 1	WW	8.7pF	±0.05pF	GRM0225C1C8R7WA02#	_
		- 11	0.701		GRM0225C1C8R7BA02#	_
				±0.1pF	GRM0225C1C8R7CA02#	_
		WW		±0.25pF		
			N -	±0.5pF	GRM0225C1C8R7DA02#	_
			8.8pF	±0.05pF	GRM0225C1C8R8WA02#	
		1		±0.1pF	GRM0225C1C8R8BA02#	
	N			±0.25pF	GRM0225C1C8R8CA02#	
			1 ·	±0.5pF	GRM0225C1C8R8DA02#	
			8.9pF	±0.05pF	GRM0225C1C8R9WA02#	
	TW			±0.1pF	GRM0225C1C8R9BA02#	
	···			±0.25pF	GRM0225C1C8R9CA02#	
	I'I A	-		±0.5pF	GRM0225C1C8R9DA02#	
	TI	١ .	9.0pF	±0.05pF	GRM0225C1C9R0WA02#	
	Mr	W		±0.1pF	GRM0225C1C9R0BA02#	
	OMr.,			±0.25pF	GRM0225C1C9R0CA02#	1
	Mo			±0.5pF	GRM0225C1C9R0DA02#	
	_ 1	TV	9.1pF	±0.05pF	GRM0225C1C9R1WA02#	
	$CO_{D_{i}}$	10		±0.1pF	GRM0225C1C9R1BA02#	ď
	- 001	17.7		±0.25pF	GRM0225C1C9R1CA02#	
	Y.C	M.T		±0.5pF	GRM0225C1C9R1DA02#	. 0
	V.C.		9.2pF	±0.05pF	GRM0225C1C9R2WA02#	ĸ
	~~7 C	$O_{JV}$		±0.1pF	GRM0225C1C9R2BA02#	-
	90 r.			±0.25pF	GRM0225C1C9R2CA02#	
	1001			±0.5pF	GRM0225C1C9R2DA02#	
	1001	CO.	9.3pF	±0.05pF	GRM0225C1C9R3WA02#	-
	1.700	87 C	J.551	±0.05pi	GRM0225C1C9R3BA02#	Ċ
	x 100	13.0		±0.25pF	GRM0225C1C9R3CA02#	
	14.	OY.		±0.25pf	GRM0225C1C9R3DA02#	_
	1111-7		0.45	-43		V
	ATVI 1	100 r	9.4pF	±0.05pF	GRM0225C1C9R4WA02#	
	AA .	100		±0.1pF	GRM0225C1C9R4BA02#	0
	MAN	. 4 0/		±0.25pF	GRM0225C1C9R4CA02#	
	TINI	1.70	- C	±0.5pF	GRM0225C1C9R4DA02#	
	M.	xv.1	9.5pF	±0.05pF	GRM0225C1C9R5WA02#	
	WW	111		±0.1pF	GRM0225C1C9R5BA02#	
	***	WW.		±0.25pF	GRM0225C1C9R5CA02#	
	1			±0.5pF	GRM0225C1C9R5DA02#	
			9.6pF	±0.05pF	GRM0225C1C9R6WA02#	
				±0.1pF	GRM0225C1C9R6BA02#	
				±0.25pF	GRM0225C1C9R6CA02#	_

GJM Series

GMA Series

GQM Series GMD Series

GR3 Series | GRJ Series

## **GRM Series Temperature Compensating Type** Part Number List

T max.	Rated Voltage	TC Code	Cap.	Tol.	Part Number	
22mm	16Vdc	COG	9.6pF	±0.5pF	GRM0225C1C9R6DA02#	
			9.7pF	±0.05pF	GRM0225C1C9R7WA02#	
	W			±0.1pF	GRM0225C1C9R7BA02#	
DIAT.				±0.25pF	GRM0225C1C9R7CA02#	
MO	. I V			±0.5pF	GRM0225C1C9R7DA02#	
	LTW		9.8pF	±0.05pF	GRM0225C1C9R8WA02#	
$C_{\Omega}$		N		±0.1pF	GRM0225C1C9R8BA02#	
$_{I}$ CC	Mr	W		±0.25pF	GRM0225C1C9R8CA02#	
-1 (	$O_{M',j}$	- 1		±0.5pF	GRM0225C1C9R8DA02#	1
17.0		In	9.9pF	±0.05pF	GRM0225C1C9R9WA02#	- 1
NY.		W		±0.1pF	GRM0225C1C9R9BA02#	M
		1.		±0.25pF	GRM0225C1C9R9CA02#	
700 y		$M_{T,T}$		±0.5pF	GRM0225C1C9R9DA02#	
100	1.0	M	10pF	±2%	GRM0225C1C100GA02#	. )
- 10	oy.Cv	) I'		±5%	GRM0225C1C100JA02#	Á
11.70		ON	11pF	±2%	GRM0225C1C110GA02#	
W.1	Mn r.	COD	V.r.	±5%	GRM0225C1C110JA02#	
1			12pF	±2%	GRM0225C1C120GA02#	o
MAN	. 100	I.C.	TI	±5%	GRM0225C1C120JA02#	<u> </u>
W	1.700	V.C	13pF	±2%	GRM0225C1C130GA02#	U
- TK XI	N.100	J × .	·MO	±5%	GRM0225C1C130JA02#	
MAA		07.	14pF	±2%	GRM0225C1C140GA02#	
W	1111	COOL		±5%	GRM0225C1C140JA02#	V
· .		In.	15pF	±2%	GRM0225C1C150GA02#	04
- 11		700		±5%	GRM0225C1C150JA02#	
		x 10	16pF	±2%	GRM0225C1C160GA02#	0
		111	ooy.C	±5%	GRM0225C1C160JA02#	4(
		11.1	17pF	±5%	GRM0225C1C170JA02#	1
		WIN	18pF	±2%	GRM0225C1C180GA02#	N.
				±5%	GRM0225C1C180JA02#	TĀ
			20pF	±2%	GRM0225C1C200GA02#	
			W.10	±5%	GRM0225C1C200JA02#	N
			22pF	±2%	GRM0225C1C220GA02#	
		4/1	-531 1	±5%	GRM0225C1C220JA02#	
		W	24pF	±2%	GRM0225C1C240GA02#	N
			NW	±5%	GRM0225C1C240JA02#	<b>1</b>
			27pF	±2%	GRM0225C1C270GA02#	
			MAL	±5%	GRM0225C1C270JA02#	
			30pF	±2%	GRM0225C1C300GA02#	
			411	±5%	GRM0225C1C300JA02#	
			33pF	±2%	GRM0225C1C330GA02#	
			V	±5%	GRM0225C1C330JA02#	
			36pF	±2%	GRM0225C1C360GA02#	
			F- '	±5%	GRM0225C1C360JA02#	
			39pF	±2%	GRM0225C1C390GA02#	<1 <1
			оорі	±5%	GRM0225C1C390JA02#	N
			43pF	±2%	GRM0225C1C430GA02#	V
			<del>-</del> υμι	±5%	GRM0225C1C430JA02#	
			47nE		31 100	1
			47pF	±2%	GRM0225C1C470GA02#	V.
			Eine	±5%	GRM0225C1C470JA02#	2.0
			51pF	±2%	GRM0225C1C510GA02#	M
			F0 - F	±5%	GRM0225C1C510JA02#	77
			56pF	±2%	GRM0225C1C560GA02#	د ال

T max.	Rated Voltage	TC Code	Cap.	Tol.	Part Number	
0.22mm	16Vdc	COG	62pF	±2%	GRM0225C1C620GA02#	
	)U 1.	NO.		±5%	GRM0225C1C620JA02#	
	00%	a01	68pF	±2%	GRM0225C1C680GA02#	
	1007	Co		±5%	GRM0225C1C680JA02#	
	.10	V.CC	75pF	±2%	GRM0225C1C750GA02#	
	N.100	-7 (		±5%	GRM0225C1C750JA02#	
	-x 10	01.	82pF	±2%	GRM0225C1C820GA02#	
	1	OV.		±5%	GRM0225C1C820JA02#	
	MM.	- 05	91pF	±2%	GRM0225C1C910GA02#	
	W.W.	700		±5%	GRM0225C1C910JA02#	
		1 100	94pF	±5%	GRM0225C1C940JA02#	
	WW		96pF	±5%	GRM0225C1C960JA02#	
	-XIW	11.77	100pF	±2%	GRM0225C1C101GA02#	
	N.	UN.		±5%	GRM0225C1C101JA02#	
		СК	0.20pF	±0.05pF	GRM0224C1CR20WA02#	
	W	WW		±0.1pF	GRM0224C1CR20BA02#	
			0.30pF	±0.05pF	GRM0224C1CR30WA02#	
			W.101	±0.1pF	GRM0224C1CR30BA02#	
		MAN	0.40pF	±0.05pF	GRM0224C1CR40WA02#	
		W	MAN	±0.1pF	GRM0224C1CR40BA02#	
			0.50pF	±0.05pF		
		1	0.0001	±0.1pF	GRM0224C1CR50BA02#	
	N	4	0.60pF	±0.05pF	GRM0224C1CR60WA02#	
			0.0001	±0.1pF	GRM0224C1CR60BA02#	
			0.70pF	±0.05pF	GRM0224C1CR70WA02#	
	IM		0.70pi	±0.05pi	GRM0224C1CR70BA02#	
	WT		0.80pF	±0.05pF	GRM0224C1CR80WA02#	
	1. ·	J	0.0001	±0.05pi	GRM0224C1CR80BA02#	
	$M_{i,T}$	. <del>«</del> 1	0.90pF	±0.05pF	GRM0224C1CR90WA02#	
	T.Mc	M	0.30pi	±0.05pi	GRM0224C1CR90BA02#	
	OM.	W	1.0pF	±0.05pF	GRM0224C1C1R0WA02#	
	OM		1.001	±0.05pi	GRM0224C1C1R0BA02#	W
	COM			±0.25pF	LIN TO THE	-
		I.T'	1.1nE		GRM0224C1C1R1WA02#	1 V
	Y.CO		1.1pF	±0.05pF ±0.1pF	GRM0224C1C1R1WA02#	(3
	J C	Mr.		<u> </u>	TAN NO THE COURT	JL **
	0 7.	$M_{0}$	1.0nE	±0.25pF	CO	M.
	00 X.C		1.2pF	±0.05pF	X 100 2	
	. NO.	COn		±0.1pF	GRM0224C1C1R2BA02#	J*
	Ino	CO	10.5	±0.25pF		
	1.700		1.3pF	±0.05pF	3111.2	75
	1100	Y.C		±0.1pF	GRM0224C1C1R3BA02#	
	W.r.	. V	Oh	±0.25pF	4// //	Į.C
	J.W.11	JU = 47	1.4pF	±0.05pF		V.
		001		±0.1pF	GRM0224C1C1R4BA02#	75.
	Mari	100	I.Co	±0.25pF	GRM0224C1C1R4CA02#	000
	JWW	.10-	1.5pF	±0.05pF	GRM0224C1C1R5WA02#	
	TANK	1.70		±0.1pF	GRM0224C1C1R5BA02#	
	MAL	xx 1	001.	±0.25pF	GRM0224C1C1R5CA02#	
	WW	111.	1.6pF	±0.05pF	GRM0224C1C1R6WA02#	
	- 11	NW.		±0.1pF	GRM0224C1C1R6BA02#	
	111			±0.25pF	GRM0224C1C1R6CA02#	
			1.7pF	±0.05pF	GRM0224C1C1R7WA02#	
				±0.1pF	GRM0224C1C1R7BA02#	
				±0.25pF	GRM0224C1C1R7CA02#	

T max.	Rated Voltage	TC Code	Сар.	Tol.	Part Number	T max.	Rated Voltage	TC Code	Cap.	Tol.	Part Number
0.22mm	16Vdc	СК	1.8pF	±0.05pF	GRM0224C1C1R8WA02#	0.22mm	16Vdc	CJ	3.6pF	±0.05pF	GRM0223C1C3R6WA02#
				±0.1pF	GRM0224C1C1R8BA02#	11.WW	JU = 7	ON		±0.1pF	GRM0223C1C3R6BA02#
-11	W			±0.25pF	GRM0224C1C1R8CA02#	-11	00%	_01		±0.25pF	GRM0223C1C3R6CA02#
	TW		1.9pF	±0.05pF	GRM0224C1C1R9WA02#	MM M.	1001	Co	3.7pF	±0.05pF	GRM0223C1C3R7WA02#
$co^{M}$	. 1			±0.1pF	GRM0224C1C1R9BA02#		.10	J.C		±0.1pF	GRM0223C1C3R7BA02#
	TIM			±0.25pF	GRM0224C1C1R9CA02#	= \\\\	N.100	-1 (		±0.25pF	GRM0223C1C3R7CA02#
	TI	N	2.0pF	±0.05pF	GRM0224C1C2R0WA02#	- 4111	-x1 10	01.	3.8pF	±0.05pF	GRM0223C1C3R8WA02#
V.CC	Mr.	W		±0.1pF	GRM0224C1C2R0BA02#	WW	1	ooy.		±0.1pF	GRM0223C1C3R8BA02#
	$0_{M-1}$			±0.25pF	GRM0224C1C2R0CA02#		M.M.	0		±0.25pF	GRM0223C1C3R8CA02#
	MO.	CJ	2.1pF	±0.05pF	GRM0223C1C2R1WA02#	_	WIN.	700	3.9pF	±0.05pF	GRM0223C1C3R9WA02#
. You		TV		±0.1pF	GRM0223C1C2R1BA02#	4		100		±0.1pF	GRM0223C1C3R9BA02#
10-02	$CO_{M}$	1.		±0.25pF	GRM0223C1C2R1CA02#	W -	MAN	. 10		±0.25pF	GRM0223C1C3R9CA02#
	- CO	1.7	2.2pF	±0.05pF	GRM0223C1C2R2WA02#		WIX	СН	0.20pF	±0.05pF	GRM0222C1CR20WA02#
		M		±0.1pF	GRM0223C1C2R2BA02#	<u> </u>		W.1		±0.1pF	GRM0222C1CR20BA02#
	O.Y.C.	7 × N		±0.25pF	GRM0223C1C2R2CA02#	TW	11/1		0.30pF	±0.05pF	GRM0222C1CR30WA02#
	. C	Oh	2.3pF	±0.05pF	GRM0223C1C2R3WA02#	WT	W	W.		±0.1pF	GRM0222C1CR30BA02#
JW.	00 -	cop		±0.1pF	GRM0223C1C2R3BA02#	VI.			0.40pF	±0.05pF	GRM0222C1CR40WA02#
	100%			±0.25pF	GRM0223C1C2R3CA02#	MIL				±0.1pF	GRM0222C1CR40BA02#
	- 100	I.CV	2.4pF	±0.05pF	GRM0223C1C2R4WA02#	WT.M		M.	0.50pF	±0.05pF	GRM0222C1CR50WA02#
	1.10	v.C		±0.1pF	GRM0223C1C2R4BA02#	WT		W		±0.1pF	GRM0222C1CR50BA02#
	11.10	) E ·		±0.25pF	GRM0223C1C2R4CA02#	COMP			0.60pF	±0.05pF	GRM0222C1CR60WA02#
	. W.10	101.	2.5pF	±0.05pF	GRM0223C1C2R5WA02#	COMITY	-7			±0.1pF	GRM0222C1CR60BA02#
W		OOY		±0.1pF	GRM0223C1C2R5BA02#	T.M.T	N		0.70pF	±0.05pF	GRM0222C1CR70WA02#
	WW.	70.		±0.25pF	GRM0223C1C2R5CA02#	Z.CON	W			±0.1pF	GRM0222C1CR70BA02#
		700	2.6pF	±0.05pF	GRM0223C1C2R6WA02#	COM.	-XXI		0.80pF	±0.05pF	GRM0222C1CR80WA02#
		xi 10		±0.1pF	GRM0223C1C2R6BA02#	$\omega_{r}$ .	7.			±0.1pF	GRM0222C1CR80BA02#
	MM.	. 1		±0.25pF	GRM0223C1C2R6CA02#	OOY.	(TW		0.90pF	±0.05pF	GRM0222C1CR90WA02#
	WW	11.7	2.7pF	±0.05pF	GRM0223C1C2R7WA02#	- OUX.CO	TV	Ĭ.		±0.1pF	GRM0222C1CR90BA02#
		WW		±0.1pF	GRM0223C1C2R7BA02#	CO	Mr		1.0pF	±0.05pF	GRM0222C1C1R0WA02#
				±0.25pF	GRM0223C1C2R7CA02#	N.100 J.	DIV. T	-41		±0.1pF	GRM0222C1C1R0BA02#
			2.8pF	±0.05pF	GRM0223C1C2R8WA02#	100Y.C	.ovl:	L.M.		±0.25pF	GRM0222C1C1R0CA02#
	-	WW		±0.1pF	GRM0223C1C2R8BA02#	100X.		TV	1.1pF	±0.05pF	GRM0222C1C1R1WA02#
		-1		±0.25pF	GRM0223C1C2R8CA02#	NW.IO	$CO_{D_{i}}$			±0.1pF	GRM0222C1C1R1BA02#
			2.9pF	±0.05pF	GRM0223C1C2R9WA02#		7 00	17.7		±0.25pF	GRM0222C1C1R1CA02#
		W		±0.1pF	GRM0223C1C2R9BA02#	100	Y.O	M.	1.2pF	±0.05pF	GRM0222C1C1R2WA02#
				±0.25pF	GRM0223C1C2R9CA02#	N W W	M.C.	- N		±0.1pF	GRM0222C1C1R2BA02#
			3.0pF	±0.05pF	GRM0223C1C3R0WA02#	WWW.I	OOY.C	$O_{N_T}$		±0.25pF	GRM0222C1C1R2CA02#
				±0.1pF	GRM0223C1C3R0BA02#	-WW.1		-01	1.3pF	±0.05pF	GRM0222C1C1R3WA02#
				±0.25pF	GRM0223C1C3R0CA02#	= 11 11	1001	40		±0.1pF	GRM0222C1C1R3BA02#
			3.1pF	±0.05pF	GRM0223C1C3R1WA02#		1.1007	CO		±0.25pF	GRM0222C1C1R3CA02#
				±0.1pF	GRM0223C1C3R1BA02#			V.C	1.4pF	±0.05pF	GRM0222C1C1R4WA02#
				±0.25pF	GRM0223C1C3R1CA02#		N.100	- T		±0.1pF	GRM0222C1C1R4BA02#
			3.2pF	±0.05pF	GRM0223C1C3R2WA02#		IW.10	01.	MOD	±0.25pF	GRM0222C1C1R4CA02#
				±0.1pF	GRM0223C1C3R2BA02#	WV		001	1.5pF	±0.05pF	GRM0222C1C1R5WA02#
				±0.25pF	GRM0223C1C3R2CA02#		WW.			±0.1pF	GRM0222C1C1R5BA02#
			3.3pF	±0.05pF	GRM0223C1C3R3WA02#	<1	UWW	100		±0.25pF	GRM0222C1C1R5CA02#
				±0.1pF	GRM0223C1C3R3BA02#			V.10	1.6pF	±0.05pF	GRM0222C1C1R6WA02#
				±0.25pF	GRM0223C1C3R3CA02#	W	WW	-11		±0.1pF	GRM0222C1C1R6BA02#
			3.4pF	±0.05pF	GRM0223C1C3R4WA02#		WW	11.7		±0.25pF	GRM0222C1C1R6CA02#
				±0.1pF	GRM0223C1C3R4BA02#	7		W.	1.7pF	±0.05pF	GRM0222C1C1R7WA02#
				±0.25pF	GRM0223C1C3R4CA02#	LTW				±0.1pF	GRM0222C1C1R7BA02#
			3.5pF	±0.05pF	GRM0223C1C3R5WA02#	WTI				±0.25pF	GRM0222C1C1R7CA02#
			-	±0.1pF	GRM0223C1C3R5BA02#	Mr.			1.8pF	±0.05pF	GRM0222C1C1R8WA02#
					A4 7 10(1) 2-2	_				<del>-</del>	1

GJM Series

GMA Series

GMD Series GQM Series

**GRJ** Series

GR3 Series KRM Series

## **GRM Series Temperature Compensating Type** Part Number List

T max.	Rated Voltage	TC Code	Сар.	Tol.	Part Number		T max.	Rated Voltage	TC Code	Сар.	Tol.	Part Number
0.22mm	16Vdc	СН	1.8pF	±0.25pF	GRM0222C1C1R8CA02#	TIV!	0.22mm	16Vdc	СН	3.6pF	±0.25pF	GRM0222C1C3R6CA02#
			1.9pF	±0.05pF	GRM0222C1C1R9WA02#		W.11	W × 1 (	4ON	3.7pF	±0.05pF	GRM0222C1C3R7WA02#
- 1	W			±0.1pF	GRM0222C1C1R9BA02#	11		001.	-01		±0.1pF	GRM0222C1C3R7BA02#
OM				±0.25pF	GRM0222C1C1R9CA02#	<u> </u>	MAN.	1007	CO		±0.25pF	GRM0222C1C3R7CA02#
COM	7		2.0pF	±0.05pF	GRM0222C1C2R0WA02#		WWW	To	J.CQ	3.8pF	±0.05pF	GRM0222C1C3R8WA02#
	LIN			±0.1pF	GRM0222C1C2R0BA02#		VN .	N.100			±0.1pF	GRM0222C1C3R8BA02#
Y.CO.		N		±0.25pF	GRM0222C1C2R0CA02#		MAN	-x1 10	01.		±0.25pF	GRM0222C1C3R8CA02#
V.CO	Mr	N	2.1pF	±0.05pF	GRM0222C1C2R1WA02#		WW	11	ooy.	3.9pF	±0.05pF	GRM0222C1C3R9WA02#
91.	$O_{W,J}$	- 1		±0.1pF	GRM0222C1C2R1BA02#	NI	- 11	$MM^{-1}$	0		±0.1pF	GRM0222C1C3R9BA02#
001		IM		±0.25pF	GRM0222C1C2R1CA02#	_	111	- TVV	700		±0.25pF	GRM0222C1C3R9CA02#
. You	COR	TV	2.2pF	±0.05pF	GRM0222C1C2R2WA02#	M	V		100	4.0pF	±0.05pF	GRM0222C1C4R0WA02#
100		10 12	N	±0.1pF	GRM0222C1C2R2BA02#	TV	-	NWV	102	V.C	±0.1pF	GRM0222C1C4R0BA02#
$1.700_{J}$		$N_{I,I}$		±0.25pF	GRM0222C1C2R2CA02#	- 1			11.77		±0.25pF	GRM0222C1C4R0CA02#
100	Y.Co	717	2.3pF	±0.05pF	GRM0222C1C2R3WA02#	T.T		111.	-XXI.1	4.1pF	±0.05pF	GRM0222C1C4R1WA02#
W.7	N.C	Divis	TW	±0.1pF	GRM0222C1C2R3BA02#	W			N. A.	1007	±0.1pF	GRM0222C1C4R1BA02#
M.10		OM		±0.25pF	GRM0222C1C2R3CA02#	1110	N	11	WW		±0.25pF	GRM0222C1C4R1CA02#
-TXV.1	00x.		2.4pF	±0.05pF	GRM0222C1C2R4WA02#	OM.	- 1			4.2pF	±0.05pF	GRM0222C1C4R2WA02#
MAL			2.401	±0.1pF	GRM0222C1C2R4BA02#		M		N	4.20	±0.1pF	GRM0222C1C4R2BA02#
	70.	$_{I}$ . $\mathbb{C}^{\mathbb{C}}$		±0.25pF	GRM0222C1C2R4CA02#	A COL	TW		WW		±0.25pF	GRM0222C1C4R2CA02#
	1.100	-7 (1	2.5pF	±0.25pi	GRM0222C1C2R4CA02#	$CO_{M_{\rm P}}$	· ·			4.3pF	±0.25pi	GRM0222C1C4R3WA02#
M.	× 100	1	2.501		GRM0222C1C2R5BA02#		1.7			4.5pi		GRM0222C1C4R3BA02#
WW		oy.		±0.1pF	GRM0222C1C2R5CA02#	10	MIN				±0.1pF	GRM0222C1C4R3CA02#
- 1	$M_{17}$		2.655	±0.25pF	- 31 11	<del>M.</del> CO		N	4	4.4nF	±0.25pF	
	WW.	100 ,	2.6pF	±0.05pF	GRM0222C1C2R6WA02#	<u> </u>	$0_{Mrr}$	XXI		4.4pF	±0.05pF	GRM0222C1C4R4WA02#
V		100		±0.1pF	GRM0222C1C2R6BA02#	001	.MO				±0.1pF	GRM0222C1C4R4BA02#
4	NWW	10	- C	±0.25pF	GRM0222C1C2R6CA02#	TOO Y.	-3/	TW		411	±0.25pF	GRM0222C1C4R4CA02#
		N.To	2.7pF	±0.05pF	GRM0222C1C2R7WA02#	V O	$C_{O_{D_{\lambda}}}$	W		4.5pF	±0.05pF	GRM0222C1C4R5WA02#
		W.1		±0.1pF	GRM0222C1C2R7BA02#	1100 -	COL	1.1	11		±0.1pF	GRM0222C1C4R5BA02#
		1 · ·	100 Y	±0.25pF	GRM0222C1C2R7CA02#	<del>~1</del> 00	1.	W.T.Y	1		±0.25pF	GRM0222C1C4R5CA02#
		MM	2.8pF	±0.05pF	GRM0222C1C2R8WA02#	10	OY.CO	TI	N	4.6pF	±0.05pF	GRM0222C1C4R6WA02#
		TVV		±0.1pF	GRM0222C1C2R8BA02#	111	N.C	OMr.			±0.1pF	GRM0222C1C4R6BA02#
		N N	W.10U	±0.25pF	GRM0222C1C2R8CA02#	- N.1	UU - 7 (	OM.	1		±0.25pF	GRM0222C1C4R6CA02#
		MAN	2.9pF	±0.05pF	GRM0222C1C2R9WA02#		100%		TV	4.7pF	±0.05pF	GRM0222C1C4R7WA02#
				±0.1pF	GRM0222C1C2R9BA02#	M M	TOOL	Con	T		±0.1pF	GRM0222C1C4R7BA02#
			WW.	±0.25pF	GRM0222C1C2R9CA02#	NV	1.10	1.CO	NY.	-N	±0.25pF	GRM0222C1C4R7CA02#
		111	3.0pF	±0.05pF	GRM0222C1C3R0WA02#		W.100	- C(	M	4.8pF	±0.05pF	GRM0222C1C4R8WA02#
		1		±0.1pF	GRM0222C1C3R0BA02#	N. A.	10	01.0	M		±0.1pF	GRM0222C1C4R8BA02#
			WIN	±0.25pF	GRM0222C1C3R0CA02#	NV	111	nn Y.C	Or	W	±0.25pF	GRM0222C1C4R8CA02#
			3.1pF	±0.05pF	GRM0222C1C3R1WA02#		WW.		$CO_D$	4.9pF	±0.05pF	GRM0222C1C4R9WA02#
				±0.1pF	GRM0222C1C3R1BA02#		TIN.	1001	c0		±0.1pF	GRM0222C1C4R9BA02#
				±0.25pF	GRM0222C1C3R1CA02#		N.M.	1 1007		TIME	±0.25pF	GRM0222C1C4R9CA02#
			3.2pF	±0.05pF	GRM0222C1C3R2WA02#		WWW		V.C	5.0pF	±0.05pF	GRM0222C1C5R0WA02#
				±0.1pF	GRM0222C1C3R2BA02#		TXN	W.100	×7 (		±0.1pF	GRM0222C1C5R0BA02#
			*	±0.25pF	GRM0222C1C3R2CA02#		11.	TN 10	01.	Mon	±0.25pF	GRM0222C1C5R0CA02#
			3.3pF	±0.05pF	GRM0222C1C3R3WA02#	N .	W	-11	001	5.1pF	±0.05pF	GRM0222C1C5R1WA02#
				±0.1pF	GRM0222C1C3R3BA02#	N)	TN.	WW.	007		±0.1pF	GRM0222C1C5R1BA02#
				±0.25pF	GRM0222C1C3R3CA02#			WWW	700		±0.25pF	GRM0222C1C5R1CA02#
			3.4pF	±0.05pF	GRM0222C1C3R4WA02#	LAA			V 10		±0.5pF	GRM0222C1C5R1DA02#
				±0.1pF	GRM0222C1C3R4BA02#	TW		WW		5.2pF	±0.05pF	GRM0222C1C5R2WA02#
				±0.25pF	GRM0222C1C3R4CA02#	- TAN		WW	11.7		±0.1pF	GRM0222C1C5R2BA02#
			3.5pF	±0.05pF	GRM0222C1C3R5WA02#	11.1	. 1		NV.		±0.25pF	GRM0222C1C5R2CA02#
				±0.1pF	GRM0222C1C3R5BA02#	VI.IV	N	W.			±0.5pF	GRM0222C1C5R2DA02#
				±0.25pF	GRM0222C1C3R5CA02#	7	(N)			5.3pF	±0.05pF	
				±0.23pi	GHIVIUZZZC I CONOCAUZ#				'			CITINOLLEO I COITO WACE
			3.6pF	±0.25pi	GRM0222C1C3R6WA02#	$O_{I,I}$				0.00	±0.1pF	GRM0222C1C5R3BA02#

T max.	Rated Voltage	TC Code	Cap.	Tol.	Part Number	
2mm	16Vdc	СН	5.3pF	±0.5pF	GRM0222C1C5R3DA02#	
			5.4pF	±0.05pF	GRM0222C1C5R4WA02#	
				±0.1pF	GRM0222C1C5R4BA02#	
	TW			±0.25pF	GRM0222C1C5R4CA02#	
	. 1			±0.5pF	GRM0222C1C5R4DA02#	
	T.J.		5.5pF	±0.05pF	GRM0222C1C5R5WA02#	
	TI			±0.1pF	GRM0222C1C5R5BA02#	
	) IA z	W		±0.25pF	GRM0222C1C5R5CA02#	
	$O_{M^{*}}$			±0.5pF	GRM0222C1C5R5DA02#	J
	Mo	LA	5.6pF	±0.05pF	GRM0222C1C5R6WA02#	
		W		±0.1pF	GRM0222C1C5R6BA02#	W
	$CO_{D}$	1.		±0.25pF	GRM0222C1C5R6CA02#	
	- c0	1.7		±0.5pF	GRM0222C1C5R6DA02#	
	N.C.	M	5.7pF	±0.05pF	GRM0222C1C5R7WA02#	.1
	NY.CI	771-	TW	±0.1pF	GRM0222C1C5R7BA02#	N 1
		$O_{M}$		±0.25pF	GRM0222C1C5R7CA02#	N. N.
	00 x.	c01		±0.5pF	GRM0222C1C5R7DA02#	
	1001		5.8pF	±0.05pF	GRM0222C1C5R8WA02#	
	1,000	$C^{C}$	1.0pi	±0.03pi	GRM0222C1C5R8BA02#	U
	1.700	<b>▼</b> 7 C		±0.25pF	GRM0222C1C5R8CA02#	
	W 100	17.0		±0.25pF	GRM0222C1C5R8DA02#	
	111	OY.	5 0nE	11111	W	-
	1111-7		5.9pF	±0.05pF	GRM0222C1C5R9WA02#	V.
	WIW.	$t_{0a}$		±0.1pF	GRM0222C1C5R9BA02#	_ <
	MA A	100		±0.25pF	GRM0222C1C5R9CA02#	0.
	MAN		0.5.5	±0.5pF	GRM0222C1C5R9DA02#	a
		N.In	6.0pF	±0.05pF	GRM0222C1C6R0WA02#	-
	M	N.1		±0.1pF	GRM0222C1C6R0BA02#	11
	WW	_ <1		±0.25pF	GRM0222C1C6R0CA02#	M 1
	N.	NW	- 405	±0.5pF	GRM0222C1C6R0DA02#	4 .
	1		6.1pF	±0.05pF	GRM0222C1C6R1WA02#	V
	V	1 41		±0.1pF	GRM0222C1C6R1BA02#	- 15
		WW		±0.25pF	GRM0222C1C6R1CA02#	N.
		-XIV	M.T.	±0.5pF	GRM0222C1C6R1DA02#	V
		111	6.2pF	±0.05pF	GRM0222C1C6R2WA02#	
		W		±0.1pF	GRM0222C1C6R2BA02#	N
				±0.25pF	GRM0222C1C6R2CA02#	V
				±0.5pF	GRM0222C1C6R2DA02#	
			6.3pF	±0.05pF	GRM0222C1C6R3WA02#	
			WW	±0.1pF	GRM0222C1C6R3BA02#	
				±0.25pF	GRM0222C1C6R3CA02#	
				±0.5pF	GRM0222C1C6R3DA02#	
			6.4pF	±0.05pF	1003-	
			υpi	±0.05pi	GRM0222C1C6R4BA02#	
				±0.1pF		
					X 100 - 0 N -	- 7
			6 5 - 5	±0.5pF	GRM0222C1C6R4DA02#	Ν_
			6.5pF	±0.05pF	GRM0222C1C6R5WA02#	Ń
				±0.1pF	GRM0222C1C6R5BA02#	- "
				±0.25pF	GRM0222C1C6R5CA02#	
				±0.5pF	GRM0222C1C6R5DA02#	
			6.6pF	±0.05pF		10
				±0.1pF	GRM0222C1C6R6BA02#	M
	I			±0.25pF	GRM0222C1C6R6CA02#	
					24 10	

T max.	Rated Voltage	TC Code	Cap.	Tol.	Part Number	
0.22mm	16Vdc	СН	6.7pF	±0.1pF	GRM0222C1C6R7BA02#	
	JV 2-7 (	NO.		±0.25pF	GRM0222C1C6R7CA02#	
	00%.			±0.5pF	GRM0222C1C6R7DA02#	
	1007	Co	6.8pF	±0.05pF	GRM0222C1C6R8WA02#	
	.70	J.C		±0.1pF	GRM0222C1C6R8BA02#	
	N.100	-7 C		±0.25pF	GRM0222C1C6R8CA02#	
	× 10	01.		±0.5pF	GRM0222C1C6R8DA02#	
	1	OV.	6.9pF	±0.05pF	GRM0222C1C6R9WA02#	
	$MM^{-1}$	0		±0.1pF	GRM0222C1C6R9BA02#	
	WIN	700		±0.25pF	GRM0222C1C6R9CA02#	
		100		±0.5pF	GRM0222C1C6R9DA02#	
	MM	(	7.0pF	±0.05pF	GRM0222C1C7R0WA02#	
	WIN	11.77		±0.1pF	GRM0222C1C7R0BA02#	
	M.	TW.		±0.25pF	GRM0222C1C7R0CA02#	
				±0.5pF	GRM0222C1C7R0DA02#	
	W		7.1pF	±0.05pF	GRM0222C1C7R1WA02#	
			N'TO	±0.1pF	GRM0222C1C7R1BA02#	
				±0.25pF	GRM0222C1C7R1CA02#	
		MA		±0.5pF	GRM0222C1C7R1DA02#	
		W	7.2pF	±0.05pF	GRM0222C1C7R2WA02#	
			WW.	±0.1pF	GRM0222C1C7R2BA02#	
				±0.25pF	GRM0222C1C7R2CA02#	
	N	4		±0.5pF	GRM0222C1C7R2DA02#	
			7.3pF	±0.05pF	GRM0222C1C7R3WA02#	
	. *1		7.001	±0.1pF	GRM0222C1C7R3BA02#	
	TM			±0.25pF	GRM0222C1C7R3CA02#	
	WT			±0.5pF	GRM0222C1C7R3DA02#	
	1. "	Į.	7.4pF	±0.05pF	GRM0222C1C7R4WA02#	
	$M_{i,T}$	1	7. <del>4</del> pi	±0.05pi	GRM0222C1C7R4BA02#	
	$T.I_{MC}$	M		±0.25pF	GRM0222C1C7R4CA02#	. 7
	Or.			±0.5pF	GRM0222C1C7R4DA02#	1
	OM.		7.5pF	±0.05pF	GRM0222C1C7R5WA02#	W
	CON		7.5pi	±0.05pi	GRM0222C1C7R5BA02#	- 1
	- 01			±0.25pF	GRM0222C1C7R5CA02#	, V
	Y.CO.	- 1		±0.5pF	GRM0222C1C7R5DA02#	T
	V.CC	Mr.	7.6pF	±0.05pF	GRM0222C1C7R6WA02#	F 7
	0 2.	OM	7.0pi	±0.05pr	GRM0222C1C7R6BA02#	M.
	001.			-	GRM0222C1C7R6CA02#	
	MY.	Co		±0.25pF	GRM0222C1C7R6DA02#	- 1
	70.	CO	7.7nE	±0.5pF	GRM0222C1C7R7WA02#	(0)
	1.100 s		7.7pF	±0.05pF		CC
	at 100	1.0		±0.1pF	GRM0222C1C7R7BA02#	
	W	ov.		±0.25pF	GRM0222C1C7R7CA02#	Į.L
	$M_{T_I}$		70.5	±0.5pF	GRM0222C1C7R7DA02#	V.
		00 r	7.8pF	±0.05pF	GRM0222C1C7R8WA02#	0 -
	M	100		±0.1pF	GRM0222C1C7R8BA02#	90)
	WW			±0.25pF	GRM0222C1C7R8CA02#	
		1.70	u -	±0.5pF	GRM0222C1C7R8DA02#	
	M.	w.1	7.9pF	±0.05pF	GRM0222C1C7R9WA02#	
	WW	1		±0.1pF	GRM0222C1C7R9BA02#	
	TXI T	NW.		±0.25pF	GRM0222C1C7R9CA02#	
	- 1			±0.5pF	GRM0222C1C7R9DA02#	
			8.0pF	±0.05pF	GRM0222C1C8R0WA02#	
				±0.1pF	GRM0222C1C8R0BA02#	
				±0.25pF	GRM0222C1C8R0CA02#	

GJM Series GRM Series

**GMA** Series

**GMD** Series GQM Series

**GRJ** Series GR3 Series

## **GRM Series Temperature Compensating Type** Part Number List

T max.	Rated Voltage	TC Code	Cap.	Tol.	Part Number		T max.	Rated Voltage	TC Code	Cap.	Tol.	Part Number
0.22mm	16Vdc	СН	8.0pF	±0.5pF	GRM0222C1C8R0DA02#		0.22mm	16Vdc	СН	9.4pF	±0.1pF	GRM0222C1C9R4BA02#
			8.1pF	±0.05pF	GRM0222C1C8R1WA02#			10 7.	MO		±0.25pF	GRM0222C1C9R4CA02#
	W			±0.1pF	GRM0222C1C8R1BA02#	_		001.			±0.5pF	GRM0222C1C9R4DA02#
				±0.25pF	GRM0222C1C8R1CA02#			· OOY	CO	9.5pF	±0.05pF	GRM0222C1C9R5WA02#
	JA			±0.5pF	GRM0222C1C8R1DA02#			700	of CO	Mr.	±0.1pF	GRM0222C1C9R5BA02#
	TW		8.2pF	±0.05pF	GRM0222C1C8R2WA02#			v.100	1.		±0.25pF	GRM0222C1C9R5CA02#
	- 17	V		±0.1pF	GRM0222C1C8R2BA02#			10	01.		±0.5pF	GRM0222C1C9R5DA02#
	M	× X ]		±0.25pF	GRM0222C1C8R2CA02#			M.r.	N.	9.6pF	±0.05pF	GRM0222C1C9R6WA02#
	$\alpha M^{T}$	77		±0.5pF	GRM0222C1C8R2DA02#	<u> </u>		$_{\rm NW}$ .	00 -	CON	±0.1pF	GRM0222C1C9R6BA02#
	- 1/	TW	8.3pF	±0.05pF	GRM0222C1C8R3WA02#	<del>N</del>		N N	100,		±0.25pF	GRM0222C1C9R6CA02#
	$CO_{Mr}$		0.001	±0.1pF	GRM0222C1C8R3BA02#	W		MAG	- 100		±0.5pF	GRM0222C1C9R6DA02#
		1.1		±0.25pF	GRM0222C1C8R3CA02#	- XX			1.10	9.7pF	±0.05pF	GRM0222C1C9R7WA02#
		V.T		±0.5pF	GRM0222C1C8R3DA02#			N 1	W.14	3.7 pi	±0.05pr	GRM0222C1C9R7BA02#
	Y.CO	- 17	9.4pE	±0.05pF	GRM0222C1C8R4WA02#	T		4/1/	1		±0.25pF	GRM0222C1C9R7CA02#
	V.C	Divr.	8.4pF			- 1		W	111.			
		OM		±0.1pF	GRM0222C1C8R4BA02#	$M^{-}$		- 10.1	WW	0.0-5	±0.5pF	GRM0222C1C9R7DA02#
				±0.25pF	GRM0222C1C8R4CA02#	A.		111	-311	9.8pF	±0.05pF	GRM0222C1C9R8WA02#
	. Mary	$C_{\Omega_7}$	ő E E	±0.5pF	GRM0222C1C8R4DA02#	-1					±0.1pF	GRM0222C1C9R8BA02#
	700	CC	8.5pF	±0.05pF	GRM0222C1C8R5WA02#	70 N			WW		±0.25pF	GRM0222C1C9R8CA02#
	1.100			±0.1pF	GRM0222C1C8R5BA02#	<del></del> 0					±0.5pF	GRM0222C1C9R8DA02#
		N.C		±0.25pF	GRM0222C1C8R5CA02#					9.9pF	±0.05pF	GRM0222C1C9R9WA02#
	11.2	N.	$2O_{Mr}$	±0.5pF	GRM0222C1C8R5DA02#	<u> 7.C</u>			1		±0.1pF	GRM0222C1C9R9BA02#
	$\sqrt{N}$	JU -	8.6pF	±0.05pF	GRM0222C1C8R6WA02#	- C		N	4		±0.25pF	GRM0222C1C9R9CA02#
		100x		±0.1pF	GRM0222C1C8R6BA02#	0 7.		-1		TOTAL TOTAL	±0.5pF	GRM0222C1C9R9DA02#
		100		±0.25pF	GRM0222C1C8R6CA02#	007				10pF	±2%	GRM0222C1C100GA02#
	NW	·In	~LCC	±0.5pF	GRM0222C1C8R6DA02#	-00		W			±5%	GRM0222C1C100JA02#
		N.10	8.7pF	±0.05pF	GRM0222C1C8R7WA02#	Ino		·		10.5pF	±2%	GRM0222C1C10EGA02#
		-x1 1		±0.1pF	GRM0222C1C8R7BA02#	110		$T_{JJ,JJ}$		11pF	±2%	GRM0222C1C110GA02#
		111.		±0.25pF	GRM0222C1C8R7CA02#	(		TI	N	V	±5%	GRM0222C1C110JA02#
		NW	Too	±0.5pF	GRM0222C1C8R7DA02#	11.2		Mr.	W	12pF	±2%	GRM0222C1C120GA02#
			8.8pF	±0.05pF	GRM0222C1C8R8WA02#	W.		$0 M \cdot r$			±5%	GRM0222C1C120JA02#
				±0.1pF	GRM0222C1C8R8BA02#			Mo	$L_{AA}$	12.5pF	±2%	GRM0222C1C12EGA02#
		WW		±0.25pF	GRM0222C1C8R8CA02#	M.		_ 1	TV	13pF	±2%	GRM0222C1C130GA02#
		- 11		±0.5pF	GRM0222C1C8R8DA02#	VV		$CO_{D}$			±5%	GRM0222C1C130JA02#
		10.	8.9pF	±0.05pF	GRM0222C1C8R9WA02#			7 00	17.7	14pF	±2%	GRM0222C1C140GA02#
		1		±0.1pF	GRM0222C1C8R9BA02#	111		X	M.T		±5%	GRM0222C1C140JA02#
				±0.25pF	GRM0222C1C8R9CA02#	W		M.C.	- K	15pF	±2%	GRM0222C1C150GA02#
				±0.5pF	GRM0222C1C8R9DA02#	- 1		N.C	Oly		±5%	GRM0222C1C150JA02#
			9.0pF	±0.05pF	GRM0222C1C9R0WA02#			00 -	405	16pF	±2%	GRM0222C1C160GA02#
				±0.1pF	GRM0222C1C9R0BA02#			1007			±5%	GRM0222C1C160JA02#
				±0.25pF	GRM0222C1C9R0CA02#			1007	L.CU	17pF	±2%	GRM0222C1C170GA02#
				±0.5pF	GRM0222C1C9R0DA02#			1.To	J C	DMr.	±5%	GRM0222C1C170JA02#
			9.1pF	±0.05pF	GRM0222C1C9R1WA02#			N.100	3.	18pF	±2%	GRM0222C1C180GA02#
				±0.1pF	GRM0222C1C9R1BA02#				01.	M	±5%	GRM0222C1C180JA02#
				±0.25pF	GRM0222C1C9R1CA02#			1111-2	M	19pF	±2%	GRM0222C1C190GA02#
				±0.5pF	GRM0222C1C9R1DA02#	×1		WW.	100		±5%	GRM0222C1C190JA02#
			9.2pF	±0.05pF	GRM0222C1C9R2WA02#	<del></del>		-781	100	20pF	±2%	GRM0222C1C200GA02#
			0.2pi	±0.05pi	GRM0222C1C9R2WA02#	CVV		M.	110	Lobi	±5%	GRM0222C1C200GA02#
				±0.1pF	GRM0222C1C9R2CA02#	- XX		WW	1.70	21pF	±2%	GRM0222C1C210GA02#
					-31 100 - ON			VI TEX	W.1	I E INE		
			0.0-	±0.5pF	GRM0222C1C9R2DA02#	T		MA		2055	±5%	GRM0222C1C210JA02#
			9.3pF	±0.05pF	GRM0222C1C9R3WA02#	7 11		W	N.M.	22pF	±2%	GRM0222C1C220GA02#
				±0.1pF	GRM0222C1C9R3BA02#	1				0.1. =	±5%	GRM0222C1C220JA02#
				±0.25pF	GRM0222C1C9R3CA02#	AAA				24pF	±2%	GRM0222C1C240GA02#
				±0.5pF	GRM0222C1C9R3DA02#	N.				_	±5%	GRM0222C1C240JA02#
			9.4pF	±0.05pF	GRM0222C1C9R4WA02#					27pF	±2%	GRM0222C1C270GA02#

СП	9.4pr	±0.1pr	GRIVIUZZZC I C9R4BAUZ#	
	L. L	±0.25pF	GRM0222C1C9R4CA02#	
	17.7	±0.5pF	GRM0222C1C9R4DA02#	
	9.5pF	±0.05pF	GRM0222C1C9R5WA02#	
	) IN T	±0.1pF	GRM0222C1C9R5BA02#	
	OM.,	±0.25pF	GRM0222C1C9R5CA02#	
	Mor	±0.5pF	GRM0222C1C9R5DA02#	
	9.6pF	±0.05pF	GRM0222C1C9R6WA02#	
	$\Gamma_{CO_{D}}$	±0.1pF	GRM0222C1C9R6BA02#	
	*/ CO	±0.25pF	GRM0222C1C9R6CA02#	
	1.00	±0.5pF	GRM0222C1C9R6DA02#	
	9.7pF	±0.05pF	GRM0222C1C9R7WA02#	
	ONY.C	±0.1pF	GRM0222C1C9R7BA02#	
	100	±0.25pF	GRM0222C1C9R7CA02#	
	700x.	±0.5pF	GRM0222C1C9R7DA02#	
	9.8pF	±0.05pF	GRM0222C1C9R8WA02#	
	N. 70	±0.1pF	GRM0222C1C9R8BA02#	
	W.10,	±0.25pF	GRM0222C1C9R8CA02#	
	- TXV 10	±0.5pF	GRM0222C1C9R8DA02#	
	9.9pF	±0.05pF	GRM0222C1C9R9WA02#	
	M.W.	±0.1pF	GRM0222C1C9R9BA02#	
	TANIN	±0.25pF	GRM0222C1C9R9CA02#	
	M. A.	±0.5pF	GRM0222C1C9R9DA02#	
	10pF	±2%	GRM0222C1C100GA02#	
	WK	±5%	GRM0222C1C100JA02#	
	10.5pF	±2%	GRM0222C1C10EGA02#	
	11pF	±2%	GRM0222C1C110GA02#	
	V	±5%	GRM0222C1C110JA02#	
	12pF	±2%	GRM0222C1C120GA02#	
		±5%	GRM0222C1C120JA02#	ĸī.
	12.5pF	±2%	GRM0222C1C12EGA02#	
	13pF	±2%	GRM0222C1C130GA02#	M
	N	±5%	GRM0222C1C130JA02#	
	14pF	±2%	GRM0222C1C140GA02#	- 11
		±5%	GRM0222C1C140JA02#	[.]
	15pF	±2%	GRM0222C1C150GA02#	1
	TIN	±5%	GRM0222C1C150JA02#	- A
	16pF	±2%	GRM0222C1C160GA02#	$\mathcal{I}_{N_I}$
	W.T.V	±5%	GRM0222C1C160JA02#	
	17pF	±2%	GRM0222C1C170GA02#	
	OMr.	±5%	GRM0222C1C170JA02#	CC
	18pF	±2%	GRM0222C1C180GA02#	7 C
	Mo	±5%	GRM0222C1C180JA02#	
	19pF	±2%	GRM0222C1C190GA02#	M.
	<sup>1</sup> CO <sub>D</sub>	±5%	GRM0222C1C190JA02#	n V
	20pF	±2%	GRM0222C1C200GA02#	<del>)</del> U -
	DA.C.	±5%	GRM0222C1C200JA02#	
	21pF	±2%	GRM0222C1C210GA02#	
		±5%	GRM0222C1C210JA02#	
	22pF	±2%	GRM0222C1C220GA02#	
	1-1	±5%	GRM0222C1C220JA02#	
	24pF	±2%	GRM0222C1C240GA02#	
	·F'	±5%	GRM0222C1C240JA02#	
	27pF	±2%	GRM0222C1C270GA02#	
		l .	cates the package specification	codo
		" III OIC	2 passage opositioation	25

T max.	Rated Voltage	TC Code	Cap.	Tol.	Part Number	
.22mm	16Vdc	СН	27pF	±5%	GRM0222C1C270JA02#	
			30pF	±2%	GRM0222C1C300GA02#	
	W		WW	±5%	GRM0222C1C300JA02#	
	TW		33pF	±2%	GRM0222C1C330GA02#	
			- 11	±5%	GRM0222C1C330JA02#	
	LIN		36pF	±2%	GRM0222C1C360GA02#	
	TI	N	1	±5%	GRM0222C1C360JA02#	
	Mr.	W	39pF	±2%	GRM0222C1C390GA02#	
	$O_{IVI}$ ,	- 1		±5%	GRM0222C1C390JA02#	N
	Mor	LA	43pF	±2%	GRM0222C1C430GA02#	
		TV		±5%	GRM0222C1C430JA02#	LA
	$CO_{D}$	- 17	47pF	±2%	GRM0222C1C470GA02#	T
	s CO	11.7	· · · · · · · · · · · · · · · · · · ·	±5%	GRM0222C1C470JA02#	
	1.0	M	51pF	±2%	GRM0222C1C510GA02#	1.
	OX.C.	ANA	TW	±5%	GRM0222C1C510JA02#	M
	ooy.C	Ob	56pF	±2%	GRM0222C1C560GA02#	120
	UV -	COJ	1. 1.	±5%	GRM0222C1C560JA02#	Oz
	700x		62pF	±2%	GRM0222C1C620GA02#	d(
	1100	1.00	TI	±5%	GRM0222C1C620JA02#	
	1.7	V.C	68pF	±2%	GRM0222C1C680GA02#	Į.C
	M.Ja.	×7 (	OM.	±5%	GRM0222C1C680JA02#	J
		10 x.	75pF	±2%	GRM0222C1C750GA02#	
	N 1	OOX	.00	±5%	GRM0222C1C750JA02#	0.
	MM.	. 00	82pF	±2%	GRM0222C1C820GA02#	00
	STAN VI	Jan	ST CC	±5%	GRM0222C1C820JA02#	
		N.10	91pF	±2%	GRM0222C1C910GA02#	11
	MAN	-x1 1	001.	±5%	GRM0222C1C910JA02#	u 1
	WW	W-3	100pF	±2%	GRM0222C1C101GA02#	
		NW	100	±5%	GRM0222C1C101JA02#	W
	10Vdc	COG	56pF	±2%	GRM0225C1A560GD05#	
	V		100	±5%	GRM0225C1A560JD05#	
		NW	68pF	±2%	GRM0225C1A680GD05#	W
		-XIX	M.10	±5%	GRM0225C1A680JD05#	
		M.	82pF	±2%	GRM0225C1A820GD05#	ľ.,
		W	M 1.	±5%	GRM0225C1A820JD05#	M
			100pF	±2%	GRM0225C1A101GD05#	1
			TINV	±5%	GRM0225C1A101JD05#	
		СН	56pF	±2%	GRM0222C1A560GD05#	
			MM	±5%	GRM0222C1A560JD05#	
			68pF	±2%	GRM0222C1A680GD05#	
			√ ° ∢1	±5%	GRM0222C1A680JD05#	
			82pF	±2%	GRM0222C1A820GD05#	
			1	±5%	GRM0222C1A820JD05#	
			100pF	±2%	GRM0222C1A101GD05#	V
				±5%	GRM0222C1A101JD05#	K KI

■ 0.6×0.3mm	Ultra- compact

				40117
Rated Voltage	TC Code	Cap.	Tol.	Part Number
100Vdc	COG	0.10pF	±0.05pF	GRM0335C2AR10WA01#
		0.20pF	±0.05pF	GRM0335C2AR20WA01#
			±0.1pF	GRM0335C2AR20BA01#
		0.30pF	±0.05pF	GRM0335C2AR30WA01#
	Voltage	Voltage Code	Voltage         Code         Cap.           100Vdc         C0G         0.10pF           0.20pF         0.20pF	Voltage         Code         Cap.         Tol.           100Vdc         C0G         0.10pF         ±0.05pF           0.20pF         ±0.05pF         ±0.05pF           ±0.1pF         ±0.1pF

T max.	Rated Voltage	TC Code	Сар.	Tol.	Part Number	
0.33mm	100Vdc	COG	0.30pF	±0.1pF	GRM0335C2AR30BA01#	
	JU - ≪7 (	NO.	0.40pF	±0.05pF	GRM0335C2AR40WA01#	
	00x.	a01	1.7	±0.1pF	GRM0335C2AR40BA01#	
	1007		0.50pF	±0.05pF	GRM0335C2AR50WA01#	
	.10	V.C	) I.A.	±0.1pF	GRM0335C2AR50BA01#	
	N.700	-1 C	0.60pF	±0.05pF	GRM0335C2AR60WA01#	
	W.10	01.	Mor	±0.1pF	GRM0335C2AR60BA01#	
	-x1 1	001.	0.70pF	±0.05pF	GRM0335C2AR70WA01#	
	M	.003	I'COR	±0.1pF	GRM0335C2AR70BA01#	
	WW	Too	0.80pF	±0.05pF	GRM0335C2AR80WA01#	_
		1.100	) > -	±0.1pF	GRM0335C2AR80BA01#	_
	MM.	ox 10	0.90pF	±0.05pF	GRM0335C2AR90WA01#	_
	WW	1	agy.C	±0.1pF	GRM0335C2AR90BA01#	_
	-11	M.	1.0pF	±0.05pF	GRM0335C2A1R0WA01#	_
		w W	700	±0.1pF	GRM0335C2A1R0BA01#	_
		111	100	±0.25pF	GRM0335C2A1R0CA01#	_
	1	MM,	1.1pF	±0.05pF	GRM0335C2A1R1WA01#	_
		N.	W.70.	±0.1pF	GRM0335C2A1R1BA01#	_
		N	WW.11	±0.25pF	GRM0335C2A1R1CA01#	_
		11	1.2pF	±0.05pF	GRM0335C2A1R2WA01#	_
		1/1	M. M.	±0.1pF	GRM0335C2A1R2BA01#	_
	N		WWW	±0.25pF	GRM0335C2A1R2CA01#	_
	( ·		1.3pF	±0.05pF	GRM0335C2A1R3WA01#	_
			M.	±0.1pF	GRM0335C2A1R3BA01#	_
	TW		WW	±0.25pF	GRM0335C2A1R3CA01#	_
	TVV		1.4pF	±0.05pF	GRM0335C2A1R4WA01#	_
	I'r .	11		±0.1pF	GRM0335C2A1R4BA01#	_
	$M_{\perp}T_{\parallel}$	N		±0.25pF	GRM0335C2A1R4CA01#	_
	Time	W	1.5pF	±0.05pF	GRM0335C2A1R5WA01#	_
	Divi	W		±0.1pF	GRM0335C2A1R5BA01#	_
	OM.	, .		±0.25pF	GRM0335C2A1R5CA01#	+
	COM	TIM	1.6pF	±0.05pF	GRM0335C2A1R6WA01#	_
	.00	IT		±0.1pF	GRM0335C2A1R6BA01#	N
	V.CO		17-5	±0.25pF	GRM0335C2A1R6CA01#	4
	Z CC	Mr.	1.7pF	±0.05pF	GRM0335C2A1R7WA01#	_
	11.	MO	T	±0.1pF	GRM0335C2A1R7BA01#	-
	001.		1.0 <sub>2</sub> F	±0.25pF	GRM0335C2A1R7CA01# GRM0335C2A1R8WA01#	ħ
	ooy.	Co.	1.8pF	±0.05pF	GRM0335C2A1R8BA01#	
	Too	CO	Mr.	±0.1pF ±0.25pF	GRM0335C2A1R8CA01#	17.
	1.100	-7 C(	1.9pF		GRM0335C2A1R9WA01#	0
	x 100	N.	1.90F	±0.05pF ±0.1pF	GRM0335C2A1R9BA01#	<u> </u>
	11.	ov.	OP	±0.1pF ±0.25pF	GRM0335C2A1R9CA01#	
	111.77		2.0pF	±0.25pF	GRM0335C2A2R0WA01#	$\pm$
	WW.	00 .	2.001	±0.03pi	GRM0335C2A2R0BA01#	<b>√</b> J
	N	100	Y	±0.1pi	GRM0335C2A2R0CA01#	7
	MIN.	110	2.1pF	±0.05pF	GRM0335C2A2R1WA01#	_
	WW	1.10	2.1pi	±0.05pF	GRM0335C2A2R1BA01#	_
	TAN	W.1	UV -	±0.1pF ±0.25pF	GRM0335C2A2R1CA01#	_
	M.A.	TXN	2.2pF	±0.25pF	GRM0335C2A2R2WA01#	_
	W	M. J.	2.2pi	±0.05pF	GRM0335C2A2R2BA01#	_
				±0.1pF ±0.25pF	GRM0335C2A2R2CA01#	_
			2.3pF	±0.05pF	GRM0335C2A2R3WA01#	—
				±0.1pF	GRM0335C2A2R3BA01#	_
					- Indiana in	—

GJM Series

GMA Series

GQM Series GMD Series

GRJ Series

KRM Series GR3 Series

KR3 Series

LLL Series | LLA Series

LLM Series 1

♠ Caution/ \int LLR Series Notice

## **GRM Series Temperature Compensating Type** Part Number List

T max.	Rated Voltage	TC Code	Cap.	Tol.	Part Number		T max.	Rated Voltage	TC Code	Cap.	Tol.	Part Number	
0.33mm	100Vdc	COG	2.3pF	±0.25pF	GRM0335C2A2R3CA01#	- TV	0.33mm	100Vdc	COG	4.1pF	±0.25pF	GRM0335C2A4R1CA01#	Ť
			2.4pF	±0.05pF	GRM0335C2A2R4WA01#			JU = 1 (	ON	4.2pF	±0.05pF	GRM0335C2A4R2WA01#	Ī
	W			±0.1pF	GRM0335C2A2R4BA01#	1		001.	a01		±0.1pF	GRM0335C2A4R2BA01#	Ī
	TW			±0.25pF	GRM0335C2A2R4CA01#			1001	Co		±0.25pF	GRM0335C2A4R2CA01#	Ī
	. 1		2.5pF	±0.05pF	GRM0335C2A2R5WA01#			0.7	V.C	4.3pF	±0.05pF	GRM0335C2A4R3WA01#	Ī
	LTV			±0.1pF	GRM0335C2A2R5BA01#			N.100	-7 C		±0.1pF	GRM0335C2A4R3BA01#	Ī
	TI	N		±0.25pF	GRM0335C2A2R5CA01#			XX 10	27.		±0.25pF	GRM0335C2A4R3CA01#	T
	N. T.	W	2.6pF	±0.05pF	GRM0335C2A2R6WA01#			1	OV.	4.4pF	±0.05pF	GRM0335C2A4R4WA01#	T
	$O_{M^{*}}$			±0.1pF	GRM0335C2A2R6BA01#	N		MN.7	003		±0.1pF	GRM0335C2A4R4BA01#	T
	MO	Lin		±0.25pF	GRM0335C2A2R6CA01#	-7		WW	700;	×1 CO	±0.25pF	GRM0335C2A4R4CA01#	T
		TV	2.7pF	±0.05pF	GRM0335C2A2R7WA01#				1.100	4.5pF	±0.05pF	GRM0335C2A4R5WA01#	I
	COM			±0.1pF	GRM0335C2A2R7BA01#	TW		MM.	-110		±0.1pF	GRM0335C2A4R5BA01#	
	of CO	M.r		±0.25pF	GRM0335C2A2R7CA01#	CIN		WW	11.2		±0.25pF	GRM0335C2A4R5CA01#	T
	7.	W	2.8pF	±0.05pF	GRM0335C2A2R8WA01#	VII			JVI.	4.6pF	±0.05pF	GRM0335C2A4R6WA01#	T
	O.Y.C.	-3/		±0.1pF	GRM0335C2A2R8BA01#	MIT		1111			±0.1pF	GRM0335C2A4R6BA01#	I
	on V.C	$O_{Z_{3}}$	W	±0.25pF	GRM0335C2A2R8CA01#	T		W	M.	1100	±0.25pF	GRM0335C2A4R6CA01#	
	VV - 1	$CO_J$	2.9pF	±0.05pF	GRM0335C2A2R9WA01#	OMr.			W	4.7pF	±0.05pF	GRM0335C2A4R7WA01#	
	100x			±0.1pF	GRM0335C2A2R9BA01#	·MO.					±0.1pF	GRM0335C2A4R7BA01#	
	1100		Tim	±0.25pF	GRM0335C2A2R9CA01#				1111	-TXV.1	±0.25pF	GRM0335C2A4R7CA01#	I
	V	V.C	3.0pF	±0.05pF	GRM0335C2A3R0WA01#	Co				4.8pF	±0.05pF	GRM0335C2A4R8WA01#	
	N.100	~ 1		±0.1pF	GRM0335C2A3R0BA01#	$^{\Lambda}CO_{I}$			1		±0.1pF	GRM0335C2A4R8BA01#	
	W.1	0.0 $x$ .	MOD	±0.25pF	GRM0335C2A3R0CA01#	CC		<b>1</b>			±0.25pF	GRM0335C2A4R8CA01#	
		007	3.1pF	±0.05pF	GRM0335C2A3R1WA01#	01.		N.		4.9pF	±0.05pF	GRM0335C2A4R9WA01#	
	WW.	400		±0.1pF	GRM0335C2A3R1BA01#	OOY.C		W			±0.1pF	GRM0335C2A4R9BA01#	
	TWW.	Too	~ CC	±0.25pF	GRM0335C2A3R1CA01#	Lov.		TW		W	±0.25pF	GRM0335C2A4R9CA01#	
	N 1	N.10	3.2pF	±0.05pF	GRM0335C2A3R2WA01#	700 -		, L		5.0pF	±0.05pF	GRM0335C2A5R0WA01#	
	MAN	_x1 1		±0.1pF	GRM0335C2A3R2BA01#	1 100 x		1.1.			±0.1pF	GRM0335C2A5R0BA01#	
	WW	111.	. Voo.	±0.25pF	GRM0335C2A3R2CA01#	00		VII			±0.25pF	GRM0335C2A5R0CA01#	
		NV	3.3pF	±0.05pF	GRM0335C2A3R3WA01#	N.1		Mr.	N	5.1pF	±0.05pF	GRM0335C2A5R1WA01#	1
				±0.1pF	GRM0335C2A3R3BA01#	<u> </u>		$0 M \cdot r$			±0.1pF	GRM0335C2A5R1BA01#	611
	V		100	±0.25pF	GRM0335C2A3R3CA01#	<u></u>		Mo	$[L_{AA}]$		±0.25pF	GRM0335C2A5R1CA01#	
	-	NV	3.4pF	±0.05pF	GRM0335C2A3R4WA01#				TW		±0.5pF	GRM0335C2A5R1DA01#	1
				±0.1pF	GRM0335C2A3R4BA01#			COM		5.2pF	±0.05pF	GRM0335C2A5R2WA01#	1
			- IN.1	±0.25pF	GRM0335C2A3R4CA01#	XVV		of CO	17.		±0.1pF	GRM0335C2A5R2BA01#	
		11	3.5pF	±0.05pF	GRM0335C2A3R5WA01#	M .		1.0	$M_{ij}$		±0.25pF	GRM0335C2A5R2CA01#	
		1		±0.1pF	GRM0335C2A3R5BA01#	WW		01.00	7/	TW	±0.5pF	GRM0335C2A5R2DA01#	
			- ATWY	±0.25pF	GRM0335C2A3R5CA01#			00 Y.C	$O_{\overline{M}}$	5.3pF	±0.05pF	GRM0335C2A5R3WA01#	
			3.6pF	±0.05pF	GRM0335C2A3R6WA01#			1	$CO_{\overline{D}}$		±0.1pF	GRM0335C2A5R3BA01#	1
				±0.1pF	GRM0335C2A3R6BA01#			100X			±0.25pF	GRM0335C2A5R3CA01#	4
			W	±0.25pF	GRM0335C2A3R6CA01#			1.1007		TIM	±0.5pF	GRM0335C2A5R3DA01#	1
			3.7pF	±0.05pF	GRM0335C2A3R7WA01#			4	y.C	5.4pF	±0.05pF	GRM0335C2A5R4WA01#	
				±0.1pF	GRM0335C2A3R7BA01#			W.100			±0.1pF	GRM0335C2A5R4BA01#	1
			*	±0.25pF	GRM0335C2A3R7CA01#			1W.10	01.		±0.25pF	GRM0335C2A5R4CA01#	
			3.8pF	±0.05pF	GRM0335C2A3R8WA01#				001	.0	±0.5pF	GRM0335C2A5R4DA01#	1
				±0.1pF	GRM0335C2A3R8BA01#	(N)		M. A.	. 001	5.5pF	±0.05pF	GRM0335C2A5R5WA01#	
				±0.25pF	GRM0335C2A3R8CA01#			VWW	Too		±0.1pF	GRM0335C2A5R5BA01#	
			3.9pF	±0.05pF	GRM0335C2A3R9WA01#	Lin			$\sqrt{.10}$		±0.25pF	GRM0335C2A5R5CA01#	
				±0.1pF	GRM0335C2A3R9BA01#	TW		MM.	××1 1	00X.C	±0.5pF	GRM0335C2A5R5DA01#	1
				±0.25pF	GRM0335C2A3R9CA01#	- TW		WW	11.7	5.6pF	±0.05pF	GRM0335C2A5R6WA01#	1
			4.0pF	±0.05pF	GRM0335C2A4R0WA01#	1.			NW.		±0.1pF	GRM0335C2A5R6BA01#	1
				±0.1pF	GRM0335C2A4R0BA01#	$M^{T}$		W.			±0.25pF	GRM0335C2A5R6CA01#	
				±0.25pF	GRM0335C2A4R0CA01#	T					±0.5pF	GRM0335C2A5R6DA01#	
			4.1pF	±0.05pF	GRM0335C2A4R1WA01#	$O_{\underline{\lambda}_T}$				5.7pF	±0.05pF	GRM0335C2A5R7WA01#	
				±0.1pF	GRM0335C2A4R1BA01#	_					±0.1pF	GRM0335C2A5R7BA01#	ſ

T max.	Rated Voltage	TC Code	Cap.	Tol.	Part Number	WW	T max.	٧
0.33mm	100Vdc	COG	5.7pF	±0.25pF	GRM0335C2A5R7CA01#		0.33mm	1
				±0.5pF	GRM0335C2A5R7DA01#			
			5.8pF	±0.05pF	GRM0335C2A5R8WA01#			1
	TW			±0.1pF	GRM0335C2A5R8BA01#			
	. 1			±0.25pF	GRM0335C2A5R8CA01#			-
	1.7.			±0.5pF	GRM0335C2A5R8DA01#			K
	MIT		5.9pF	±0.05pF	GRM0335C2A5R9WA01#			
	II.	W		±0.1pF	GRM0335C2A5R9BA01#			
	$0_{M^*}$ ,	-XXI		±0.25pF	GRM0335C2A5R9CA01#	N		V
	Mor	T.A.		±0.5pF	GRM0335C2A5R9DA01#			
		TV	6.0pF	±0.05pF	GRM0335C2A6R0WA01#	CAL		ľ
	COn			±0.1pF	GRM0335C2A6R0BA01#	TW		N
	$\sigma CO$	Mr.		±0.25pF	GRM0335C2A6R0CA01#	-CV		
	7.	M	1.11	±0.5pF	GRM0335C2A6R0DA01#	17.7		
	O.Y.C.	100	6.1pF	±0.05pF	GRM0335C2A6R1WA01#	MI		
	ony.C	On		±0.1pF	GRM0335C2A6R1BA01#	T		
		$CO_{\tilde{J}}$		±0.25pF	GRM0335C2A6R1CA01#	Ohr.		
	700 r		Mil	±0.5pF	GRM0335C2A6R1DA01#	OM.		
	1100		6.2pF	±0.05pF	GRM0335C2A6R2WA01#			
	1.5	V.C		±0.1pF	GRM0335C2A6R2BA01#			
	W.In.	~J		±0.25pF	GRM0335C2A6R2CA01#	(CO)		
		M r.	CON	±0.5pF	GRM0335C2A6R2DA01#			L
	N N	1007	6.3pF	±0.05pF	GRM0335C2A6R3WA01#	01.		
	MM.	100		±0.1pF	GRM0335C2A6R3BA01#	00 X.C		
	a WW	.70		±0.25pF	GRM0335C2A6R3CA01#	V.		r
		N.10	U E	±0.5pF	GRM0335C2A6R3DA01#	700		٥
	MAI	-xxi 1	6.4pF	±0.05pF	GRM0335C2A6R4WA01#	1100		1
		1		±0.1pF	GRM0335C2A6R4BA01#	-400		
	1	MW		±0.25pF	GRM0335C2A6R4CA01#	M		1
			1.100	±0.5pF	GRM0335C2A6R4DA01#	UM.II		C
		1	6.5pF	±0.05pF	GRM0335C2A6R5WA01#	N.		ļ,
	-	WW		±0.1pF	GRM0335C2A6R5BA01#	11		۲
		W		±0.25pF	GRM0335C2A6R5CA01#	WWW.		
			W.	±0.5pF	GRM0335C2A6R5DA01#	NATAN Y		V
		- 1/1	6.6pF	±0.05pF	GRM0335C2A6R6WA01#			
				±0.1pF	GRM0335C2A6R6BA01#	1/1/1/1		0
				±0.25pF	GRM0335C2A6R6CA01#			
				±0.5pF	GRM0335C2A6R6DA01#	- 1		ľ
			6.7pF	±0.05pF	GRM0335C2A6R7WA01#			1
				±0.1pF	GRM0335C2A6R7BA01#			l
				±0.25pF	GRM0335C2A6R7CA01#			
				±0.5pF	GRM0335C2A6R7DA01#			N
			6.8pF	±0.05pF	GRM0335C2A6R8WA01#			K
				±0.1pF	GRM0335C2A6R8BA01#	N		
				±0.25pF	GRM0335C2A6R8CA01#	W_		
				±0.5pF	GRM0335C2A6R8DA01#	and a		N
			6.9pF	±0.05pF	AND COM	1 1		
				±0.1pF	GRM0335C2A6R9BA01#	TW		
				±0.25pF	1 1003	N <sub>T</sub>		
				±0.5pF	GRM0335C2A6R9DA01#	11.		
			7.0pF	±0.05pF	301111	$M_{II}$		
				±0.1pF	GRM0335C2A7R0BA01#	<del>~</del> 1.7		
				±0.25pF	- 100 3 - 100 3 - 3	N.		
				±0.5pF	GRM0335C2A7R0DA01#			

T max.	Rated Voltage	TC Code	Сар.	Tol.	Part Number	
0.33mm	100Vdc	COG	7.1pF	±0.05pF	GRM0335C2A7R1WA01#	
	21 (	MON		±0.1pF	GRM0335C2A7R1BA01#	
	00%			±0.25pF	GRM0335C2A7R1CA01#	
	A OOY	CO		±0.5pF	GRM0335C2A7R1DA01#	
	Too	J C	7.2pF	±0.05pF	GRM0335C2A7R2WA01#	
	N.100	7.		±0.1pF	GRM0335C2A7R2BA01#	
	-110	01.		±0.25pF	GRM0335C2A7R2CA01#	
	11	oov.		±0.5pF	GRM0335C2A7R2DA01#	
	NW.	W - 4	7.3pF	±0.05pF	GRM0335C2A7R3WA01#	
	TAN.	700	CO	±0.1pF	GRM0335C2A7R3BA01#	
		100		±0.25pF	GRM0335C2A7R3CA01#	
	WWW	1.5		±0.5pF	GRM0335C2A7R3DA01#	
	- TXN	W.77	7.4pF	±0.05pF	GRM0335C2A7R4WA01#	
	MAG	- 1	7.4pi	±0.05pr	GRM0335C2A7R4BA01#	
	W	111.			77	
	- 10.1	WW		±0.25pF	-30	
		-31	1100	±0.5pF	GRM0335C2A7R4DA01#	
	1	$\Lambda_M$	7.5pF	±0.05pF	GRM0335C2A7R5WA01#	
		WW		±0.1pF	GRM0335C2A7R5BA01#	
				±0.25pF	GRM0335C2A7R5CA01#	
		W	1	±0.5pF	GRM0335C2A7R5DA01#	
		V	7.6pF	±0.05pF	GRM0335C2A7R6WA01#	
	ĸī			±0.1pF	GRM0335C2A7R6BA01#	
				±0.25pF	GRM0335C2A7R6CA01#	
			11/11	±0.5pF	GRM0335C2A7R6DA01#	
	W		7.7pF	±0.05pF	GRM0335C2A7R7WA01#	
	, J. \			±0.1pF	GRM0335C2A7R7BA01#	
	LIN			±0.25pF	GRM0335C2A7R7CA01#	
	TTV			±0.5pF	GRM0335C2A7R7DA01#	
	Mr.	(N)	7.8pF	±0.05pF	GRM0335C2A7R8WA01#	
	$DM_{*,T}$			±0.1pF	GRM0335C2A7R8BA01#	κT
	· Mo	LW		±0.25pF	GRM0335C2A7R8CA01#	
	Oh	TV		±0.5pF	GRM0335C2A7R8DA01#	W
	CON		7.9pF	±0.05pF	GRM0335C2A7R9WA01#	
		V.J.		±0.1pF	GRM0335C2A7R9BA01#	
	Y.CO	-17		±0.25pF		1.1
	V.C	) IAz.		±0.5pF	GRM0335C2A7R9DA01#	- T
	-7 C	$O_{M}$	8.0pF	±0.05pF		71.
	00 X .		0.001	-	GRM0335C2A8R0BA01#	10
	MAN.	Co		±0.1pF	GRM0335C2A8R0CA01#	
	Ing	CO		±0.25pF	-111	
	1.700.	- 0	01=	±0.5pF	GRM0335C2A8R0DA01#	((
	1100	Y.C	8.1pF	±0.05pF	GRM0335C2A8R1WA01#	
	N.	ov.		±0.1pF	GRM0335C2A8R1BA01#	1.0
	1M.77	JV - - = 7		±0.25pF	GRM0335C2A8R1CA01#	V
	1	001	100	±0.5pF	GRM0335C2A8R1DA01#	0 7.
	M.A.	100	8.2pF	±0.05pF	1	902
	UWW	Too		±0.1pF	GRM0335C2A8R2BA01#	
	TAT Y	V.10		±0.25pF	GRM0335C2A8R2CA01#	
	MAN	-x1 1	00 X.C	±0.5pF	GRM0335C2A8R2DA01#	
	WV	Miss	8.3pF	±0.05pF	GRM0335C2A8R3WA01#	
		WW.		±0.1pF	GRM0335C2A8R3BA01#	
	W.	1		±0.25pF	GRM0335C2A8R3CA01#	
				±0.5pF	GRM0335C2A8R3DA01#	
			8.4pF	±0.05pF	GRM0335C2A8R4WA01#	
				±0.1pF	GRM0335C2A8R4BA01#	

GJM Series

GMA Series

GQM Series GMD Series

GR3 Series GRJ Series

## **GRM Series Temperature Compensating Type** Part Number List

T max.	Rated Voltage	TC Code	Сар.	Tol.	Part Number		T max.	Rated Voltage	TC Code	Сар.	Tol.	Part Number
0.33mm	100Vdc	COG	8.4pF	±0.25pF	GRM0335C2A8R4CA01#		0.33mm	100Vdc	COG	9.8pF	±0.05pF	GRM0335C2A9R8WA01#
			M.	±0.5pF	GRM0335C2A8R4DA01#	7	W.11	)() 1.	MO		±0.1pF	GRM0335C2A9R8BA01#
			8.5pF	±0.05pF	GRM0335C2A8R5WA01#	1	1	001.			±0.25pF	GRM0335C2A9R8CA01#
	TW		WV	±0.1pF	GRM0335C2A8R5BA01#	_	MM M.	1001	Co		±0.5pF	GRM0335C2A9R8DA01#
	. L		- 1	±0.25pF	GRM0335C2A8R5CA01#		WWW	• •	V.C	9.9pF	±0.05pF	GRM0335C2A9R9WA01#
	1.7.			±0.5pF	GRM0335C2A8R5DA01#			N.100	-7 C		±0.1pF	GRM0335C2A9R9BA01#
	TI		8.6pF	±0.05pF	GRM0335C2A8R6WA01#		M.	N.10	07.		±0.25pF	GRM0335C2A9R9CA01#
	MA	W		±0.1pF	GRM0335C2A8R6BA01#		WW		OOX.		±0.5pF	GRM0335C2A9R9DA01#
	$O_{Mr}$ ,	-XXI		±0.25pF	GRM0335C2A8R6CA01#	N	W	$MM^{*}$	1005	10pF	±2%	GRM0335C2A100GA01#
	MO	1		±0.5pF	GRM0335C2A8R6DA01#	· .		WW	Too	$\sim CO$	±5%	GRM0335C2A100JA01#
	-01	TV	8.7pF	±0.05pF	GRM0335C2A8R7WA01#				1.100	12pF	±2%	GRM0335C2A120GA01#
	Con	T	N	±0.1pF	GRM0335C2A8R7BA01#	TI		MM.	or 10	01.0	±5%	GRM0335C2A120JA01#
	J.CO	Mr.	N.	±0.25pF	GRM0335C2A8R7CA01#	_41		WW	1110	15pF	±2%	GRM0335C2A150GA01#
	-1 C(	M.		±0.5pF	GRM0335C2A8R7DA01#	1.1	SI.	- 1	M.	To o	±5%	GRM0335C2A150JA01#
	01.0	M	8.8pF	±0.05pF	GRM0335C2A8R8WA01#	$M_{J,J}$			CK	0.10pF	±0.05pF	GRM0334C2AR10WA01#
	OOY.	Or	WIT	±0.1pF	GRM0335C2A8R8BA01#	T			111	0.20pF	±0.05pF	GRM0334C2AR20WA01#
		$CO_{\bar{I}}$	1. TV	±0.25pF	GRM0335C2A8R8CA01#	Ohr	W			O	±0.1pF	GRM0334C2AR20BA01#
	700 -	, cC	Mir	±0.5pF	GRM0335C2A8R8DA01#	OM.	-XXI		WW	0.30pF	±0.05pF	GRM0334C2AR30WA01#
	1100		8.9pF	±0.05pF	GRM0335C2A8R9WA01#	-0N	T.I.		N.	WW.11	±0.1pF	GRM0334C2AR30BA01#
	- 100	Y.C	- 71	±0.1pF	GRM0335C2A8R9BA01#		M.T.W		W.	0.40pF	±0.05pF	GRM0334C2AR40WA01#
	W.101	ov.	COM.	±0.25pF	GRM0335C2A8R9CA01#	T.CO.	WT		1	11 11.	±0.1pF	GRM0334C2AR40BA01#
	JW.1	00 1	COM	±0.5pF	GRM0335C2A8R9DA01#	C	Mr.	N		0.50pF	±0.05pF	GRM0334C2AR50WA01#
		1003	9.0pF	±0.05pF	GRM0335C2A9R0WA01#	<u> </u>	$OM'_I$	1			±0.1pF	GRM0334C2AR50BA01#
	M.	100	Y.Co.	±0.1pF	GRM0335C2A9R0BA01#		.ow.			0.60pF	±0.05pF	GRM0334C2AR60WA01#
	VVV	.10	V.CC	±0.25pF	GRM0335C2A9R0CA01#	Man X	$Co_{n_s}$	TW		WW	±0.1pF	GRM0334C2AR60BA01#
		N.70	C	±0.5pF	GRM0335C2A9R0DA01#	100	$^{1}$ CO $_{N_{I}}$	TVV		0.70pF	±0.05pF	GRM0334C2AR70WA01#
	M.	xv.1	9.1pF	±0.05pF	GRM0335C2A9R1WA01#	$1.700^{\circ}$	- COD	L'IL	ī		±0.1pF	GRM0334C2AR70BA01#
	W	W 1	100 Y.	±0.1pF	GRM0335C2A9R1BA01#	<del>311</del> 00	7.0	V.T.V	N	0.80pF	±0.05pF	GRM0334C2AR80WA01#
	W	MM	.005	±0.25pF	GRM0335C2A9R1CA01#	11.	WY.CO	11	N	4	±0.1pF	GRM0334C2AR80BA01#
			1.700	±0.5pF	GRM0335C2A9R1DA01#	M.r.	V.C	Dir.	CVV	0.90pF	±0.05pF	GRM0334C2AR90WA01#
		N 1	9.2pF	±0.05pF	GRM0335C2A9R2WA01#	<del></del> V.	100 -	·MO.	1		±0.1pF	GRM0334C2AR90BA01#
	-	MM	110	±0.1pF	GRM0335C2A9R2BA01#		100%	aoM.	TW	1.0pF	±0.05pF	TAN CONT.
		W	1111.		GRM0335C2A9R2CA01#	AN V	1007	CO	TI		±0.1pF	GRM0334C2A1R0BA01#
		- 1		±0.5pF	GRM0335C2A9R2DA01#	<del></del> // `	N.r	V.CO	11	-N	±0.25pF	
		111	9.3pF	±0.05pF	GRM0335C2A9R3WA01#		W.100	47 CC	$M_{r_1}$	1.1pF	±0.05pF	
		1	N.M.	±0.1pF	GRM0335C2A9R3BA01#		-IN 10	01.	$M_{\rm O}$		±0.1pF	GRM0334C2A1R1BA01#
			WW	±0.25pF	GRM0335C2A9R3CA01#		N 1	00 Y.C		- T	±0.25pF	7 4110
			2012	±0.5pF	GRM0335C2A9R3DA01#		_ < 1	100Y	$C_{\mathbf{O}_{\overline{D}}}$	1.2pF		GRM0334C2A1R2WA01#
			9.4pF	±0.05pF	GRM0335C2A9R4WA01#		WW.		CO		±0.1pF	GRM0334C2A1R2BA01#
				±0.1pF	GRM0335C2A9R4BA01#		W 1.	1.1007	. (1	10.5	±0.25pF	GRM0334C2A1R2CA01#
			V	±0.25pF	GRM0335C2A9R4CA01#		MM	W.100	N.C.	1.3pF	±0.05pF	GRM0334C2A1R3WA01#
			05.5	±0.5pF	GRM0335C2A9R4DA01#		WW		OY.		±0.1pF	GRM0334C2A1R3BA01#
			9.5pF	±0.05pF	GRM0335C2A9R5WA01#	1	WV	W.10	- = 7	CON	±0.25pF	GRM0334C2A1R3CA01#
				±0.1pF	GRM0335C2A9R5BA01#	<u> </u>		WW.	001	1.4pF	±0.05pF	
				±0.25pF	GRM0335C2A9R5CA01#	4	W		100		±0.1pF	GRM0334C2A1R4BA01#
			0.0=	±0.5pF	GRM0335C2A9R5DA01#	TVI		VWW	. 40	15-5	±0.25pF	N N Y
			9.6pF	±0.05pF	GRM0335C2A9R6WA01#	r XX		WW	1.10	1.5pF	±0.05pF	CN .
				±0.1pF	GRM0335C2A9R6BA01#	7.11	,		W.1		±0.1pF	GRM0334C2A1R5BA01#
				±0.25pF	GRM0335C2A9R6CA01#	TT W		WW	-1	10-5	±0.25pF	GRM0334C2A1R5CA01#
			07-	±0.5pF	GRM0335C2A9R6DA01#	12.	N	W	MW.	1.6pF	±0.05pF	
			9.7pF	±0.05pF	GRM0335C2A9R7WA01#	$M_{-1}$					±0.1pF	GRM0334C2A1R6BA01#
				±0.1pF	GRM0335C2A9R7BA01#	<del>00/</del> 1.7	A			47	±0.25pF	
				±0.25pF	GRM0335C2A9R7CA01#	,0"				1.7pF	±0.05pF	
				±0.5pF	GRM0335C2A9R7DA01#						±0.1pF	GRM0334C2A1R7BA01#

(→ ■ 0.6×0.3mm)

T max.	Rated Voltage	TC Code	Сар.	Tol.	Part Number	T max.	Rated Voltage	TC Code	Cap.	Tol.	Part Number
).33mm	100Vdc	СК	1.7pF	±0.25pF	GRM0334C2A1R7CA01#	0.33mm	100Vdc	CJ	3.5pF	±0.25pF	GRM0333C2A3R5CA01#
			1.8pF	±0.05pF	GRM0334C2A1R8WA01#	1.1	JU = 7 (	ON	3.6pF	±0.05pF	GRM0333C2A3R6WA01#
			MM	±0.1pF	GRM0334C2A1R8BA01#	-11 11	001.	_01		±0.1pF	GRM0333C2A3R6BA01#
			WV	±0.25pF	GRM0334C2A1R8CA01#	_ MM	1007	CO		±0.25pF	GRM0333C2A3R6CA01#
			1.9pF	±0.05pF	GRM0334C2A1R9WA01#			J.CC	3.7pF	±0.05pF	GRM0333C2A3R7WA01#
			W	±0.1pF	GRM0334C2A1R9BA01#	- ///	N.100			±0.1pF	GRM0333C2A3R7BA01#
		V		±0.25pF	GRM0334C2A1R9CA01#	4/1/1/	W.10	01.		±0.25pF	GRM0333C2A3R7CA01#
		W	2.0pF	±0.05pF	GRM0334C2A2R0WA01#	WV		MY.	3.8pF	±0.05pF	GRM0333C2A3R8WA01#
				±0.1pF	GRM0334C2A2R0BA01#	- '	NN'	. 03		±0.1pF	GRM0333C2A3R8BA01#
		IM		±0.25pF	GRM0334C2A2R0CA01#	_ \\	WW	700.		±0.25pF	GRM0333C2A3R8CA01#
		CJ	2.1pF	±0.05pF	GRM0333C2A2R1WA01#	- 1		100	3.9pF	±0.05pF	GRM0333C2A3R9WA01#
		10 2	N.	±0.1pF	GRM0333C2A2R1BA01#	N .	NW	N - 2	N.C'	±0.1pF	GRM0333C2A3R9BA01#
		$V_{IJ}$	-1	±0.25pF	GRM0333C2A2R1CA01#	<u>.</u>		$N_{II}$		±0.25pF	GRM0333C2A3R9CA01#
		71.	2.2pF	±0.05pF	GRM0333C2A2R2WA01#	7//	111.	СН	4.0pF	±0.05pF	GRM0332C2A4R0WA01#
		)Mr.	TW	±0.1pF	GRM0333C2A2R2BA01#	TW	W	N A.	1007	±0.1pF	GRM0332C2A4R0BA01#
		$O_{M}$	. 1	±0.25pF	GRM0333C2A2R2CA01#	<u>.</u>	≺N.	WW		±0.25pF	GRM0332C2A4R0CA01#
			2.3pF	±0.05pF	GRM0333C2A2R3WA01#	A.L.Y			4.1pF	±0.05pF	GRM0332C2A4R1WA01#
		Co	2.3βί	· ·	GRM0333C2A2R3BA01#	-11.I.M			4.101		N. 1. 3.
		7.CC	Mr.	±0.1pF		TW.		WW		±0.1pF	GRM0332C2A4R1BA01#
			0.4.5	±0.25pF	GRM0333C2A2R3CA01#	9M.		-11	10.5	±0.25pF	GRM0332C2A4R1CA01#
		N.C	2.4pF	±0.05pF	GRM0333C2A2R4WA01#	M.TW			4.2pF	±0.05pF	GRM0332C2A4R2WA01#
		N.	COMP	±0.1pF	GRM0333C2A2R4BA01#			1		±0.1pF	GRM0332C2A4R2BA01#
		JU - 41	COM	±0.25pF	GRM0333C2A2R4CA01#	COM	N	4		±0.25pF	GRM0332C2A4R2CA01#
		100,	2.5pF	±0.05pF	GRM0333C2A2R5WA01#	COW:			4.3pF	±0.05pF	GRM0332C2A4R3WA01#
		10115.	Y.Co.	±0.1pF	GRM0333C2A2R5BA01#	Y.Co.M.	111			±0.1pF	GRM0332C2A4R3BA01#
			~ CC	±0.25pF	GRM0333C2A2R5CA01#	AV.COM	W		WW	±0.25pF	GRM0332C2A4R3CA01#
		N.70	2.6pF	±0.05pF	GRM0333C2A2R6WA01#	- « CON	CONTIN	4.4	4.4pF	±0.05pF	GRM0332C2A4R4WA01#
		-x1 1	001.	±0.1pF	GRM0333C2A2R6BA01#	$\overline{b}_{0,1}$	I'I A	-		±0.1pF	GRM0332C2A4R4BA01#
		111.	. Voo.	±0.25pF	GRM0333C2A2R6CA01#	400 Y.C		N		±0.25pF	GRM0332C2A4R4CA01#
		NW	2.7pF	±0.05pF	GRM0333C2A2R7WA01#	- ON CO	TATE A.	N	4.5pF	±0.05pF	GRM0332C2A4R5WA01#
			$1.700^{\circ}$	±0.1pF	GRM0333C2A2R7BA01#	1.100 -1 C	$DM \cdot r$			±0.1pF	GRM0332C2A4R5BA01#
			100	±0.25pF	GRM0333C2A2R7CA01#		Mo			±0.25pF	GRM0332C2A4R5CA01#
		NW	2.8pF	±0.05pF	GRM0333C2A2R8WA01#	1007.		TV	4.6pF	±0.05pF	GRM0332C2A4R6WA01#
			M.70	±0.1pF	GRM0333C2A2R8BA01#	M.ro	$CO_{D_{i}}$			±0.1pF	GRM0332C2A4R6BA01#
		W.	_TXV.1	±0.25pF	GRM0333C2A2R8CA01#	- 1M.100°	- CO	17.7		±0.25pF	GRM0332C2A4R6CA01#
		W	2.9pF	±0.05pF	GRM0333C2A2R9WA01#	100	Y	M.T	4.7pF	±0.05pF	GRM0332C2A4R7WA01#
			UWW	±0.1pF	GRM0333C2A2R9BA01#	MM	Y.C.	77.		±0.1pF	GRM0332C2A4R7BA01#
			-731	±0.25pF	GRM0333C2A2R9CA01#	- M.M.To	~√ C	$O_{IAT}$		±0.25pF	GRM0332C2A4R7CA01#
			3.0pF	±0.05pF	GRM0333C2A3R0WA01#	-N .	00 X.C	COD	4.8pF	±0.05pF	GRM0332C2A4R8WA01#
			WW	±0.1pF	GRM0333C2A3R0BA01#	- MM	1001		VI.IV	±0.1pF	GRM0332C2A4R8BA01#
			-11	±0.25pF	GRM0333C2A3R0CA01#	- WWW		CO		±0.25pF	
			3.1pF	±0.05pF	GRM0333C2A3R1WA01#	- ''	1.100)	L 7 C	4.9pF	±0.05pF	GRM0332C2A4R9WA01#
			0.101	· ·	GRM0333C2A3R1BA01#	- 1/1/1	W.100	1	4.501	±0.1pF	GRM0332C2A4R9BA01#
				±0.1pF		- WW		OY.		TAN.	
			0.0-5	±0.25pF	GRM0333C2A3R1CA01#	- 111	1W.10	,	C 0- E	±0.25pF	GRM0332C2A4R9CA01#
			3.2pF	±0.05pF	GRM0333C2A3R2WA01#	_	WW.	001	5.0pF	±0.05pF	GRM0332C2A5R0WA01#
				±0.1pF	GRM0333C2A3R2BA01#	- 1		100		±0.1pF	GRM0332C2A5R0BA01#
				±0.25pF	GRM0333C2A3R2CA01#	1	WW		M.CO	±0.25pF	GRM0332C2A5R0CA01#
			3.3pF	±0.05pF	GRM0333C2A3R3WA01#	· \ 		1.70	5.1pF	±0.05pF	GRM0332C2A5R1WA01#
				±0.1pF	GRM0333C2A3R3BA01#	1/1	WW	xx 1		±0.1pF	GRM0332C2A5R1BA01#
				±0.25pF	GRM0333C2A3R3CA01#	eW.	WW	44.		±0.25pF	GRM0332C2A5R1CA01#
			3.4pF	±0.05pF	GRM0333C2A3R4WA01#	- XX	- 11	NW.	To.	±0.5pF	GRM0332C2A5R1DA01#
				±0.1pF	GRM0333C2A3R4BA01#	TAN	W.		5.2pF	±0.05pF	GRM0332C2A5R2WA01#
			±0.25pF	GRM0333C2A3R4CA01#	TW				±0.1pF	GRM0332C2A5R2BA01#	
		3.5pF	±0.05pF	GRM0333C2A3R5WA01#	Are.				±0.25pF	GRM0332C2A5R2CA01#	
		l		±0.1pF	GRM0333C2A3R5BA01#					±0.5pF	GRM0332C2A5R2DA01#

GJM Series

GMA Series

GQM Series GMD Series

s | GRJ Series

KRM Series GR3 Series

## **GRM Series Temperature Compensating Type** Part Number List

T max.	Rated Voltage	TC Code	Сар.	Tol.	Part Number	W	T max.	Rated Voltage	TC Code	Cap.	Tol.	
).33mm	100Vdc	СН	5.3pF	±0.05pF	GRM0332C2A5R3WA01#	1	0.33mm	100Vdc	СН	6.6pF	±0.25pF	Ī
			M .	±0.1pF	GRM0332C2A5R3BA01#			W 1.	NO.		±0.5pF	(
- 11	W		MM	±0.25pF	GRM0332C2A5R3CA01#	T N		00,1.		6.7pF	±0.05pF	(
			WV	±0.5pF	GRM0332C2A5R3DA01#			1007	Co		±0.1pF	(
Mo	. 1		5.4pF	±0.05pF	GRM0332C2A5R4WA01#			.70	J.CC		±0.25pF	(
	TIM		10	±0.1pF	GRM0332C2A5R4BA01#			N.100	-7 C		±0.5pF	
	TI			±0.25pF	GRM0332C2A5R4CA01#			×1 10	01.	6.8pF	±0.05pF	(
	Mr.	W		±0.5pF	GRM0332C2A5R4DA01#			1	ooy.		±0.1pF	(
	$0_{M-1}$	- 1	5.5pF	±0.05pF	GRM0332C2A5R5WA01#	N		$MM^{-1}$	00		±0.25pF	(
	Mo	IM		±0.1pF	GRM0332C2A5R5BA01#	1		WIX	700		±0.5pF	
ooy.		TV		±0.25pF	GRM0332C2A5R5CA01#	111			1100	6.9pF	±0.05pF	
.00	$CO_{M}$		N	±0.5pF	GRM0332C2A5R5DA01#	TW		MM	10-		±0.1pF	
	. c0	W.r	5.6pF	±0.05pF	GRM0332C2A5R6WA01#			TAT W	11.77		±0.25pF	
	1.00	M.		±0.1pF	GRM0332C2A5R6BA01#	1.1		N.	TW.		±0.5pF	
	V.C.	) Y (	TW	±0.25pF	GRM0332C2A5R6CA01#	TI		11/1		7.0pF	±0.05pF	
	ov C	$O_{\tilde{D}_{1}}$	TVV	±0.5pF	GRM0332C2A5R6DA01#	13.00		W	MAA		±0.1pF	1
TW.	00 7.	COI	5.7pF	±0.05pF	GRM0332C2A5R7WA01#	OM.			TW		±0.25pF	
	1007	-0	MIN	±0.1pF	GRM0332C2A5R7BA01#	Mor					±0.5pF	
		į.Cu	T	±0.25pF	GRM0332C2A5R7CA01#	-			M.	7.1pF	±0.05pF	,
	1.700	v C	$O_{Mr}$ .	±0.5pF	GRM0332C2A5R7DA01#	CO				1111	±0.1pF	1
	1.10	7.	5.8pF	±0.05pF	GRM0332C2A5R8WA01#	of CC					±0.25pF	-
	-x1 1(	0 X .	- 0M	±0.1pF	GRM0332C2A5R8BA01#						±0.5pF	,
W	111.	007	COz.	±0.25pF	GRM0332C2A5R8CA01#	01.		N	4	7.2pF	±0.05pF	1
	WW.	Too		±0.5pF	GRM0332C2A5R8DA01#	. V		W		WW	±0.1pF	1
		700	5.9pF	±0.05pF	GRM0332C2A5R9WA01#	30-		- 1			±0.25pF	1
	MM.	xī 10	01.	±0.1pF	GRM0332C2A5R9BA01#	100 x		J. 11			±0.5pF	(
	WW.		ONY.C	±0.25pF	GRM0332C2A5R9CA01#	- 100		TW		7.3pF	±0.05pF	(
		11.		±0.5pF	GRM0332C2A5R9DA01#	1-1-0			Ī		±0.1pF	1
		W	6.0pF	±0.05pF	GRM0332C2A6R0WA01#	W.70		Mir	că.		±0.25pF	1
		MA .	1 1003	±0.1pF	GRM0332C2A6R0BA01#	-XV 3		M.T	N N		±0.5pF	1
	1		100	±0.25pF	GRM0332C2A6R0CA01#				LW.	7.4pF	±0.05pF	1
		WW	11.70	±0.5pF	GRM0332C2A6R0DA01#	MAN		Oh			±0.1pF	
		N V	6.1pF	±0.05pF	GRM0332C2A6R1WA01#			CON			±0.25pF	-
		111		±0.1pF	GRM0332C2A6R1BA01#	<del> </del>			$V_{T,T}$		±0.5pF	1
		W	M.A.	±0.25pF	GRM0332C2A6R1CA01#	MAN		Y.C.	M. T	7.5pF	±0.05pF	
			NW	±0.5pF	GRM0332C2A6R1DA01#			V.C	) Na	TVI	±0.1pF	1
			6.2pF	±0.05pF	GRM0332C2A6R2WA01#			~√ C	$O_{\tilde{D}/T}$		±0.25pF	
			MAI	±0.1pF	GRM0332C2A6R2BA01#			90 r.			±0.5pF	
			WW	±0.25pF	GRM0332C2A6R2CA01#			1001		7.6pF	±0.05pF	
			1	±0.5pF	GRM0332C2A6R2DA01#			.003	CO	T	±0.1pF	
			6.3pF	±0.05pF	GRM0332C2A6R3WA01#			The	J C		±0.25pF	,
				±0.1pF	GRM0332C2A6R3BA01#			0.100	7.		±0.5pF	,
			4	±0.25pF	GRM0332C2A6R3CA01#			-x1 10	01.	7.7pF	±0.05pF	1
				±0.5pF	GRM0332C2A6R3DA01#	N .		1111.	OOY	Con	±0.1pF	
			6.4pF	±0.05pF	GRM0332C2A6R4WA01#	c X		WW.	.00		±0.25pF	
				±0.1pF	GRM0332C2A6R4BA01#			W	100		±0.5pF	
				±0.25pF	GRM0332C2A6R4CA01#	LAN		MAIN.	st 10	7.8pF	±0.05pF	
				±0.5pF	GRM0332C2A6R4DA01#	TW		WW	٧.٠	O.Y.C	±0.1pF	1
			6.5pF	±0.05pF	GRM0332C2A6R5WA01#			WIX	11.7		±0.25pF	1
				±0.1pF	GRM0332C2A6R5BA01#	V.L.		111	W.		±0.5pF	+
				±0.25pF	GRM0332C2A6R5CA01#	717		W		7.9pF	±0.05pF	+
				±0.5pF	GRM0332C2A6R5DA01#	) IN P.				- 1	±0.1pF	+
			6.6pF	±0.05pF	GRM0332C2A6R6WA01#	OM.					±0.25pF	1
				±0.1pF	GRM0332C2A6R6BA01#						±0.5pF	+
			1		1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1						1	Т.

TC ode	Cap.	Tol.	Part Number	
СН	6.6pF	±0.25pF	GRM0332C2A6R6CA01#	
MC		±0.5pF	GRM0332C2A6R6DA01#	
. 01	6.7pF	±0.05pF	GRM0332C2A6R7WA01#	
		±0.1pF	GRM0332C2A6R7BA01#	
C		±0.25pF	GRM0332C2A6R7CA01#	
7 (		±0.5pF	GRM0332C2A6R7DA01#	
1.	6.8pF	±0.05pF	GRM0332C2A6R8WA01#	
V.		±0.1pF	GRM0332C2A6R8BA01#	
101		±0.25pF	GRM0332C2A6R8CA01#	
UV	-1 CO	±0.5pF	GRM0332C2A6R8DA01#	
101	6.9pF	±0.05pF	GRM0332C2A6R9WA01#	
110		±0.1pF	GRM0332C2A6R9BA01#	
10.2		±0.25pF	GRM0332C2A6R9CA01#	
N.	TO ST	±0.5pF	GRM0332C2A6R9DA01#	
TV	7.0pF	±0.05pF	GRM0332C2A7R0WA01#	
		±0.1pF	GRM0332C2A7R0BA01#	
W		±0.25pF	GRM0332C2A7R0CA01#	
W	11.10	±0.5pF	GRM0332C2A7R0DA01#	
-11	7.1pF	±0.05pF	GRM0332C2A7R1WA01#	
N		±0.1pF	GRM0332C2A7R1BA01#	
V		±0.25pF	GRM0332C2A7R1CA01#	
		±0.5pF	GRM0332C2A7R1DA01#	
	7.2pF	±0.05pF	GRM0332C2A7R2WA01#	
		±0.1pF	GRM0332C2A7R2BA01#	
		±0.25pF	GRM0332C2A7R2CA01#	
		±0.5pF	GRM0332C2A7R2DA01#	
	7.3pF	±0.05pF	GRM0332C2A7R3WA01#	
		±0.1pF	GRM0332C2A7R3BA01#	
		±0.25pF	GRM0332C2A7R3CA01#	
N	7.4-5	±0.5pF	GRM0332C2A7R3DA01#	N
	7.4pF	±0.05pF	GRM0332C2A7R4WA01# GRM0332C2A7R4BA01#	
LA		±0.1pF	N. TOO COM.	- 1
T		±0.25pF ±0.5pF	GRM0332C2A7R4CA01# GRM0332C2A7R4DA01#	TV
11	7.5pF	±0.05pF	GRM0332C2A7R5WA01#	CT
17.	7.5pi	±0.1pF	GRM0332C2A7R5BA01#	- 1
M		±0.25pF	GRM0332C2A7R5CA01#	M.
1		±0.5pF	GRM0332C2A7R5DA01#	M
0	7.6pF	±0.05pF	GRM0332C2A7R6WA01#	
$C_{O}$	,,.op.	±0.1pF	GRM0332C2A7R6BA01#	
C		±0.25pF	GRM0332C2A7R6CA01#	CC
		±0.5pF	GRM0332C2A7R6DA01#	7 (
1.	7.7pF	±0.05pF	GRM0332C2A7R7WA01#	*-
οV	COn	±0.1pF	GRM0332C2A7R7BA01#	N.
- 03		±0.25pF	GRM0332C2A7R7CA01#	, asi
00		±0.5pF	GRM0332C2A7R7DA01#	90
10	7.8pF	±0.05pF	GRM0332C2A7R8WA01#	
4	OY.C	±0.1pF	GRM0332C2A7R8BA01#	
N.7		±0.25pF	GRM0332C2A7R8CA01#	
W.		±0.5pF	GRM0332C2A7R8DA01#	
	7.9pF	±0.05pF	GRM0332C2A7R9WA01#	
		±0.1pF	GRM0332C2A7R9BA01#	
		±0.25pF	GRM0332C2A7R9CA01#	
		±0.5pF	GRM0332C2A7R9DA01#	
	Part nur	nber # indic	cates the package specification	code

T max.	Rated Voltage	TC Code	Сар.	Tol.	Part Number		T max.	Rated Voltage	Co
0.33mm	100Vdc	СН	8.0pF	±0.05pF	GRM0332C2A8R0WA01#	0	.33mm	100Vdc	C
				±0.1pF	GRM0332C2A8R0BA01#	7	$W_{1}$		40
				±0.25pF	GRM0332C2A8R0CA01#	1111	- XXI 1		
	TW			±0.5pF	GRM0332C2A8R0DA01#		V		
	. 1		8.1pF	±0.05pF	GRM0332C2A8R1WA01#		WW		V.
	LIV			±0.1pF	GRM0332C2A8R1BA01#				
	TI	N		±0.25pF	GRM0332C2A8R1CA01#		Ma.		0
	Mr.	W		±0.5pF	GRM0332C2A8R1DA01#		WW		00
	$O_{M^{*}}$		8.2pF	±0.05pF	GRM0332C2A8R2WA01#	N	W.		
	Mor	1.4		±0.1pF	GRM0332C2A8R2BA01#				71
		TV		±0.25pF	GRM0332C2A8R2CA01#				1.1
	CON		N	±0.5pF	GRM0332C2A8R2DA01#	TW	-		
	st CO	17.	8.3pF	±0.05pF	GRM0332C2A8R3WA01#	-CVV			
	1.	M		±0.1pF	GRM0332C2A8R3BA01#	L. L.			
	O.Y.C.	-3/		±0.25pF	GRM0332C2A8R3CA01#	MITM			L
	ov.C	Oin		±0.5pF	GRM0332C2A8R3DA01#	WT			1
	UU - 1	$CO_{J}$	8.4pF	±0.05pF	GRM0332C2A8R4WA01#	DIAT.	N		
	700x			±0.1pF	GRM0332C2A8R4BA01#	OMIL	- «T		
	1100	1.00		±0.25pF	GRM0332C2A8R4CA01#	T.Mo.			V
	1.70	V.C		±0.5pF	GRM0332C2A8R4DA01#	Com	TW		
	$M_{10}$	. <del>-</del>	8.5pF	±0.05pF	GRM0332C2A8R5WA01#	1 COM			
		00x		±0.1pF	GRM0332C2A8R5BA01#	CON	I'I'		
	1	1007		±0.25pF	GRM0332C2A8R5CA01#	17.	$\Lambda$ T		
	MM.	. 00		±0.5pF	GRM0332C2A8R5DA01#	no y .Co	- 17		
	TWW	Too	8.6pF	±0.05pF	GRM0332C2A8R6WA01#	ov.C	Divis.		
		N.10		±0.1pF	GRM0332C2A8R6BA01#	100	'OM		
	WW	- x1 1		±0.25pF	GRM0332C2A8R6CA01#	100x.			
	WV	111.		±0.5pF	GRM0332C2A8R6DA01#	TOOY	Co		N
		WW	8.7pF	±0.05pF	GRM0332C2A8R7WA01#	M.To	$_{1}$ CO		di
				±0.1pF	GRM0332C2A8R7BA01#	W.100	-7 C		L
				±0.25pF	GRM0332C2A8R7CA01#	10°	11.		
		NW	11.2	±0.5pF	GRM0332C2A8R7DA01#	M 11.	10X.		n
		-11	8.8pF	±0.05pF	GRM0332C2A8R8WA01#	M. M. T.	Voo.	50Vdc	С
				±0.1pF	GRM0332C2A8R8BA01#	LINW.	Too .		W
		11		±0.25pF	GRM0332C2A8R8CA01#	W 1	1.100		10
			MAN	±0.5pF	GRM0332C2A8R8DA01#	A W	-110		
			8.9pF	±0.05pF	GRM0332C2A8R9WA01#	WW	N.r.		
				±0.1pF	GRM0332C2A8R9BA01#		$\sqrt{N}$		d
				±0.25pF	GRM0332C2A8R9CA01#	1/1	_TXN.		
			W	±0.5pF	GRM0332C2A8R9DA01#	W	M. A.		1.
			9.0pF	±0.05pF	GRM0332C2A9R0WA01#	<	WW		V
				±0.1pF	GRM0332C2A9R0BA01#				
				±0.25pF	GRM0332C2A9R0CA01#		M		W
				±0.5pF	GRM0332C2A9R0DA01#		W		0
			9.1pF	±0.05pF	GRM0332C2A9R1WA01#		W		
				±0.1pF	GRM0332C2A9R1BA01#	<u> </u>			1.3
				±0.25pF	GRM0332C2A9R1CA01#	<u>L</u>			N.
				±0.5pF	GRM0332C2A9R1DA01#	TW			
			9.2pF	±0.05pF	GRM0332C2A9R2WA01#	W			N
				±0.1pF	GRM0332C2A9R2BA01#	11.1			N
				±0.25pF	GRM0332C2A9R2CA01#	$M_{-}^{TM}$			
				±0.5pF	GRM0332C2A9R2DA01#	TI			
			9.3pF	±0.05pF	GRM0332C2A9R3WA01#	Olar.			
		1		±0.1pF	71 YUUTE				1

T max.	Rated Voltage	TC Code	Сар.	Tol.	Part Number
0.33mm	100Vdc	СН	9.3pF	±0.25pF	GRM0332C2A9R3CA01#
	)U 1	MON		±0.5pF	GRM0332C2A9R3DA01#
	00,7.	~ (1	9.4pF	±0.05pF	GRM0332C2A9R4WA01#
	100X	Co	TT	±0.1pF	GRM0332C2A9R4BA01#
	·In	J CC	DIAT.	±0.25pF	GRM0332C2A9R4CA01#
	N.100		OM.	±0.5pF	GRM0332C2A9R4DA01#
	-110	01.	9.5pF	±0.05pF	GRM0332C2A9R5WA01#
	W. 2	N.	$C_{O, \alpha_{\pi}}$	±0.1pF	GRM0332C2A9R5BA01#
	MW.	00	CON	±0.25pF	GRM0332C2A9R5CA01#
	-TXN	700.	00	±0.5pF	GRM0332C2A9R5DA01#
		- 100	9.6pF	±0.05pF	GRM0332C2A9R6WA01#
	N W	1.1	V.C	±0.1pF	GRM0332C2A9R6BA01#
	N 1	W.11	10 ×	±0.25pF	GRM0332C2A9R6CA01#
	11/11/	1	001.		
	WV	1111.	0.7-5	±0.5pF	GRM0332C2A9R6DA01#
	-31	WW	9.7pF	±0.05pF	GRM0332C2A9R7WA01#
			N.100	±0.1pF	GRM0332C2A9R7BA01#
	1	MM.	-1100	±0.25pF	GRM0332C2A9R7CA01#
		TIV.	11.10	±0.5pF	GRM0332C2A9R7DA01#
		N	9.8pF	±0.05pF	GRM0332C2A9R8WA01#
		M.	NN '	±0.1pF	GRM0332C2A9R8BA01#
		11	MAI.	±0.25pF	GRM0332C2A9R8CA01#
	≪1			±0.5pF	GRM0332C2A9R8DA01#
			9.9pF	±0.05pF	GRM0332C2A9R9WA01#
	W		MM	±0.1pF	GRM0332C2A9R9BA01#
	-XX		TAT V	±0.25pF	GRM0332C2A9R9CA01#
	7.			±0.5pF	GRM0332C2A9R9DA01#
	TW		10pF	±2%	GRM0332C2A100GA01#
	VT	V	V	±5%	GRM0332C2A100JA01#
	Mr	c N	12pF	±2%	GRM0332C2A120GA01#
	M.I.		·	±5%	GRM0332C2A120JA01#
	- 7 / 1		15pF	±2%	GRM0332C2A150GA01#
	OM.			±5%	GRM0332C2A150JA01#
	50Vdc	COG	0.10pF	±0.05pF	GRM0335C1HR10WA01#
	Jovac	000			GRM0335C1HR20WA01#
	Y.CO	1	0.20pF	±0.05pF	
	ST CC	Mr.	0.00 5	±0.1pF	GRM0335C1HR20BA01#
	01.	Mo	0.30pF	±0.05pF	GRM0335C1HR30WA01#
	OV.C		WIT	±0.1pF	GRM0335C1HR30BA01#
		$CO_{\bar{D}}$	0.40pF	±0.05pF	GRM0335C1HR40WA01#
	700 r.	CO	M:r.	±0.1pF	GRM0335C1HR40BA01#
	11007		0.50pF	±0.05pF	GRM0335C1HR50WA01#
	1.5	Y.C	U112	±0.1pF	GRM0335C1HR50BA01#
	W. Jak	×1 (	0.60pF	±0.05pF	GRM0335C1HR60WA01#
	1XX 10	101.	Mos	±0.1pF	GRM0335C1HR60BA01#
	1	OOY	0.70pF	±0.05pF	GRM0335C1HR70WA01#
	WW.	10.2	A'COL	±0.1pF	GRM0335C1HR70BA01#
	Win	700	0.80pF	±0.05pF	GRM0335C1HR80WA01#
	1111	KI 10	DY.C.	±0.1pF	GRM0335C1HR80BA01#
	WW	1.2	0.90pF	±0.05pF	GRM0335C1HR90WA01#
	TAN	W.1	UU - 41 (	±0.1pF	GRM0335C1HR90BA01#
	MA	TXXI	1.0pF		GRM0335C1H1R0WA01#
	W	MAA.	1.υμΓ	±0.05pF	
				±0.1pF	GRM0335C1H1R0BA01#
			4	±0.25pF	GRM0335C1H1R0CA01#
			1.1pF	±0.05pF	GRM0335C1H1R1WA01#
				±0.1pF	GRM0335C1H1R1WA01#  GRM0335C1H1R1BA01#  cates the package specification of

GJM Series

**GMA** Series

**GMD** Series GQM Series

**GRJ** Series GR3 Series

## **GRM Series Temperature Compensating Type** Part Number List

T max.	Rated Voltage	TC Code	Сар.	Tol.	Part Number	T max.	Rated Voltage	TC Code	Cap.	Tol.	
0.33mm	50Vdc	COG	1.1pF	±0.25pF	GRM0335C1H1R1CA01#	0.33mr	50Vdc	COG	2.9pF	±0.25pF	GRI
			1.2pF	±0.05pF	GRM0335C1H1R2WA01#	WW.1	00 -7 (	ON	3.0pF	±0.05pF	GRI
- 1			MAN	±0.1pF	GRM0335C1H1R2BA01#	W V	100%		$V_{IJJ}$	±0.1pF	GRI
	TIN		WY	±0.25pF	GRM0335C1H1R2CA01#	MMM	1003	Co		±0.25pF	GRI
coM	. 1		1.3pF	±0.05pF	GRM0335C1H1R3WA01#	THE STATE OF THE S	1.10	J.C	3.1pF	±0.05pF	GRI
-01	LIV			±0.1pF	GRM0335C1H1R3BA01#		W.100	-7 (	$O_{M',j}$	±0.1pF	GRI
	TT	V		±0.25pF	GRM0335C1H1R3CA01#		-x1 10	01.	Mo	±0.25pF	GRI
V.CC	Mr.	W	1.4pF	±0.05pF	GRM0335C1H1R4WA01#		1	MY.	3.2pF	±0.05pF	GRI
	OM.	- 41		±0.1pF	GRM0335C1H1R4BA01#	XI X	WW.	0.5	$^{1}$ CO $^{0}$	±0.1pF	GRI
	.ovi	IM		±0.25pF	GRM0335C1H1R4CA01#		WIN	700.	- CO	±0.25pF	GRI
MY.	COR	TV	1.5pF	±0.05pF	GRM0335C1H1R5WA01#	7/		100	3.3pF	±0.05pF	GRI
In	$CO_{\tilde{D}}$	1.0 1	N	±0.1pF	GRM0335C1H1R5BA01#	TV	WWW	10.5	V.C	±0.1pF	GRI
	· c0	$V_{IJ}$		±0.25pF	GRM0335C1H1R5CA01#		TIN	11.71	~~ (	±0.25pF	GRI
	1.00	M	1.6pF	±0.05pF	GRM0335C1H1R6WA01#	1.2	N	TVI.	3.4pF	±0.05pF	-
	V.C	DIA	TW	±0.1pF	GRM0335C1H1R6BA01#	WILL	W		1007	±0.1pF	GRI
	-≤7 (	OM	·	±0.25pF	GRM0335C1H1R6CA01#		N/N	WW		±0.25pF	1
-TXN.1	001.	~OT	1.7pF	±0.05pF	GRM0335C1H1R7WA01#	OM			3.5pF	±0.05pF	1
	100Y		TY I	±0.1pF	GRM0335C1H1R7BA01#	TIMO		N	VI 10	±0.1pF	GRI
	.10	$I.C^{\mathbb{C}}$	IN TO	±0.25pF	GRM0335C1H1R7CA01#	TW		WW	-7.1	±0.25pF	1
TANY	1.100	*1 C	1.8pF	±0.05pF	GRM0335C1H1R8WA01#	COMP		W	3.6pF	±0.05pF	UV
	$\propto 10^{0}$	7.	1.001	±0.03pi	GRM0335C1H1R8BA01#	COM',			3.0pi	±0.03pi	GRI
	- 10	OY.	_	±0.25pF	GRM0335C1H1R8CA01#	T. M. T.		1		±0.25pF	
1	111.7		1 0pE	-XX	GRM0335C1H1R9WA01#	W.COns.	W	-	2.7nE	. 00	-
	WIN.	100,	1.9pF	±0.05pF		COM.			3.7pF	±0.05pF	GRI
	N	100	<b>Y</b> .	±0.1pF	GRM0335C1H1R9BA01#	$\overline{m}$ . $COM$	1		1	±0.1pF	
4	MAL	- 10	2.05	±0.25pF	GRM0335C1H1R9CA01#	100 Y.C.	TW		2.05	±0.25pF	10 1
	WW.	N.To	2.0pF	±0.05pF	GRM0335C1H2R0WA01#	COn	WT		3.8pF	±0.05pF	000
	111	W.1	00 -	±0.1pF	GRM0335C1H2R0BA01#	1.10° < CO	11.	(I		±0.1pF	GRI
	11/1/		01.5	±0.25pF	GRM0335C1H2R0CA01#	N.1007.	MI		00.5	±0.25pF	700
	W	Mari	2.1pF	±0.05pF	GRM0335C1H2R1WA01#	1007.0	Time	N	3.9pF	±0.05pF	11 11
		WV	1.100	±0.1pF	GRM0335C1H2R1BA01#	IN.	OM	W		±0.1pF	GRN
			100	±0.25pF	GRM0335C1H2R1CA01#	WAN 100	COM	T XX		±0.25pF	11.
	-	MAA	2.2pF	±0.05pF		1, 100 x	CON	1.1.	4.0pF	±0.05pF	-011
		W	111.	±0.1pF		100		TI		±0.1pF	
		- 1	MIN.	±0.25pF	GRM0335C1H2R2CA01#	WANN.	V.CO	1	<del>- N</del>	±0.25pF	-
			2.3pF	10-	GRM0335C1H2R3WA01#	, 10, 10,	-7 CC	M	4.1pF	±0.05pF	-
		1	N. A.	±0.1pF	GRM0335C1H2R3BA01#	W W 1	10 X.	OM	IM	±0.1pF	GRI
			WW	4.00			DOY.C	1	13.11	±0.25pF	
			2.4pF	±0.05pF	GRM0335C1H2R4WA01#	- WWW.		$CO_J$	4.2pF	±0.05pF	
				±0.1pF	GRM0335C1H2R4BA01#	- V	700 -	.co	M·r.	±0.1pF	GRI
				±0.25pF	GRM0335C1H2R4CA01#		N.100		TIME	±0.25pF	+
			2.5pF	±0.05pF	GRM0335C1H2R5WA01#	WW.	100	Y.C	4.3pF	±0.05pF	GRI
				±0.1pF	GRM0335C1H2R5BA01#		111.10	N.V.	OM.	±0.1pF	GRI
				±0.25pF	GRM0335C1H2R5CA01#			JU 2.	MOD	±0.25pF	GRI
			2.6pF	±0.05pF	GRM0335C1H2R6WA01#	V W	NN '	001	4.4pF	±0.05pF	GRI
				±0.1pF	GRM0335C1H2R6BA01#	OL V	M.M.	100	Y.Co.	±0.1pF	GRI
				±0.25pF	GRM0335C1H2R6CA01#			Too	ZI CC	±0.25pF	GRI
			2.7pF	±0.05pF	GRM0335C1H2R7WA01#	7.11	11	V.10	4.5pF	±0.05pF	GRI
				±0.1pF	GRM0335C1H2R7BA01#	TW	MM	L 1	00 X.C	±0.1pF	GRI
				±0.25pF	GRM0335C1H2R7CA01#	TW	WW	W.1	. NOV.	±0.25pF	GRI
			2.8pF	±0.05pF	GRM0335C1H2R8WA01#	1.7	-11	NW.	4.6pF	±0.05pF	GRI
				±0.1pF	GRM0335C1H2R8BA01#	WI.IM	W			±0.1pF	GRI
				±0.25pF	GRM0335C1H2R8CA01#	WTI				±0.25pF	GRI
			2.9pF	±0.05pF	GRM0335C1H2R9WA01#	Oz.			4.7pF	±0.05pF	GRI
				±0.1pF	GRM0335C1H2R9BA01#					±0.1pF	GRI

TC ode	Cap.	Tol.	Part Number	
0G	2.9pF	±0.25pF	GRM0335C1H2R9CA01#	
MC	3.0pF	±0.05pF	GRM0335C1H3R0WA01#	
.07		±0.1pF	GRM0335C1H3R0BA01#	
		±0.25pF	GRM0335C1H3R0CA01#	
Cd	3.1pF	±0.05pF	GRM0335C1H3R1WA01#	
7 (		±0.1pF	GRM0335C1H3R1BA01#	
1.		±0.25pF	GRM0335C1H3R1CA01#	
N.	3.2pF	±0.05pF	GRM0335C1H3R2WA01#	
		±0.1pF	GRM0335C1H3R2BA01#	
UU		±0.25pF	GRM0335C1H3R2CA01#	
100	3.3pF	±0.05pF	GRM0335C1H3R3WA01#	
- 10		±0.1pF	GRM0335C1H3R3BA01#	
1.2		±0.25pF	GRM0335C1H3R3CA01#	
W.	3.4pF	±0.05pF	GRM0335C1H3R4WA01#	
TXX		±0.1pF	GRM0335C1H3R4BA01#	
11		±0.25pF	GRM0335C1H3R4CA01#	
W	3.5pF	±0.05pF	GRM0335C1H3R5WA01#	
- TXN		±0.1pF	GRM0335C1H3R5BA01#	
N A I		±0.25pF	GRM0335C1H3R5CA01#	
W	3.6pF	±0.05pF	GRM0335C1H3R6WA01#	
1		±0.1pF	GRM0335C1H3R6BA01#	
		±0.25pF	GRM0335C1H3R6CA01#	
	3.7pF	±0.05pF	GRM0335C1H3R7WA01#	
		±0.1pF	GRM0335C1H3R7BA01#	
		±0.25pF	GRM0335C1H3R7CA01#	
ı	3.8pF	±0.05pF	GRM0335C1H3R8WA01#	
		±0.1pF	GRM0335C1H3R8BA01#	
		±0.25pF	GRM0335C1H3R8CA01#	
1	3.9pF	±0.05pF	GRM0335C1H3R9WA01#	
· • 1		±0.1pF	GRM0335C1H3R9BA01#	ĸI
M		±0.25pF	GRM0335C1H3R9CA01#	-7
M	4.0pF	±0.05pF	GRM0335C1H4R0WA01#	W
		±0.1pF	GRM0335C1H4R0BA01#	TV
. 7		±0.25pF	GRM0335C1H4R0CA01#	
1.7	4.1pF	±0.05pF	GRM0335C1H4R1WA01#	1.7
- 1		±0.1pF	GRM0335C1H4R1BA01#	M.
) [A.		±0.25pF	GRM0335C1H4R1CA01#	7.1
OD	4.2pF	±0.05pF	GRM0335C1H4R2WA01#	$\mathcal{I}_{M_1}$
<u> </u>		±0.1pF	GRM0335C1H4R2BA01#	10
		±0.25pF	GRM0335C1H4R2CA01#	
C	4.3pF	±0.05pF	GRM0335C1H4R3WA01#	Cr
-7 (		±0.1pF	GRM0335C1H4R3BA01#	ı C
1.		±0.25pF	GRM0335C1H4R3CA01#	
OX	4.4pF	±0.05pF	GRM0335C1H4R4WA01#	2.
007		±0.1pF	GRM0335C1H4R4BA01#	M
00		±0.25pF	GRM0335C1H4R4CA01#	
10	4.5pF	±0.05pF	GRM0335C1H4R5WA01#	
. 1		±0.1pF	GRM0335C1H4R5BA01#	
N.7		±0.25pF	GRM0335C1H4R5CA01#	
W.	4.6pF	±0.05pF	GRM0335C1H4R6WA01#	
		±0.1pF	GRM0335C1H4R6BA01#	
		±0.25pF	GRM0335C1H4R6CA01#	
İ	4.7pF	±0.05pF	GRM0335C1H4R7WA01#	
		±0.1pF	GRM0335C1H4R7BA01#	
	David serve		estan the mankage energification	

Table	$(\rightarrow \blacksquare \ 0$	.6×0.3ı	mm)				100°	COL	V.r.	<b>-</b> ≼1		
4.8pp				Сар.	Tol.	Part Number			100	Cap.	Tol.	Part Number
10.5pf   GRM033SC1H4RRBA014	0.33mm	50Vdc	COG	4.7pF	±0.25pF	GRM0335C1H4R7CA01#	0.33mm	50Vdc	COG	6.2pF	±0.05pF	GRM0335C1H6R2WA01#
1.0.556				4.8pF	±0.05pF	GRM0335C1H4R8WA01#		JU = <7 (	ON		±0.1pF	GRM0335C1H6R2BA01#
4.9p    20.0p    GRM003SC1H4R9WA014     0.3p    GRM003SC1H6R9WA015     20.0p    GRM003SC1H6R				MA	±0.1pF	GRM0335C1H4R8BA01#	- N	00%.			±0.25pF	GRM0335C1H6R2CA01#
4.9pF   0.00pF   GMR003SCHHRSWA018   0.2pF   0.05pF   GMR003SCHHRSWA018   0.2pF   GM		W		WV	±0.25pF	GRM0335C1H4R8CA01#		1007			±0.5pF	GRM0335C1H6R2DA01#
2.0.25p  GRM0335CHHSR0A019    20.25p  GRM03		. 1		4.9pF	±0.05pF	GRM0335C1H4R9WA01#			V.C	6.3pF	±0.05pF	GRM0335C1H6R3WA01#
5.0pF   10.05pF   GRM0335C1H8R0WA01#   0.4pF   GRM0335C1H8R0A01#   0.4pF   GRM0335C1		LIV			±0.1pF	GRM0335C1H4R9BA01#		N.100	-7 C		±0.1pF	GRM0335C1H6R3BA01#
1-0.1pF   GRM033SC1HBR0BA01#   1-0.2pp   GRM033SC1HBR0A01#   1-0.2pp   GRM033SC1HBR0A01#   1-0.2pp   GRM033SC1HBR1A01#   1-0.2pp   GRM033SC1HBR0A01#   1-0		TTI	N		±0.25pF	GRM0335C1H4R9CA01#		-x1 10	01.		±0.25pF	GRM0335C1H6R3CA01#
### 1.5   GRM0335CH5RR0A019 ### 20.25p   GRM0335CH5RR0A019 ###		Mr.	W	5.0pF	±0.05pF	GRM0335C1H5R0WA01#	WV	1	ON.		±0.5pF	GRM0335C1H6R3DA01#
1025pc   GRIMOSSCHISHTWAD18		$O_{M^{*}}$			±0.1pF	GRM0335C1H5R0BA01#		$MM^{-1}$		6.4pF	±0.05pF	GRM0335C1H6R4WA01#
5.1pF   20.05pF   GRM033SC1H8R10A019   20.5pF   GRM033SC1H8R0A019   20.5pF   GRM033SC1H8R0A019   20.5pF   GRM033SC1H8R0A019		.Mo.	IM		±0.25pF	GRM0335C1H5R0CA01#		N IN	700		±0.1pF	GRM0335C1H6R4BA01#
10.25pF   GRM0335C1H5R1CA01#		COM	W	5.1pF	±0.05pF	GRM0335C1H5R1WA01#	M A	111	100		±0.25pF	GRM0335C1H6R4CA01#
20.5pF   GRM033SC1HSR1DA01#   20.2pF   GRM033SC1HSR5DA01#   20.2pF   GRM033SC1HSR5DA01#   20.2pF   GRM03SC1HSR5DA01#   20.2pF   GRM03SC1HSR5DA01#   20.2pF   GRM03SC1HSR5DA01#   20.2pF   GRM03SC1HSR5DA01#   20.2pF   GRM03SC1HSR5DA01#   20.2pF   GRM03SC1HSR5DA01#   20.2pF   GRM03SC1HSR3DA01#   20.2pF   GR		$CO_{\tilde{D}}$		N	±0.1pF	GRM0335C1H5R1BA01#	CVV	WWW			±0.5pF	GRM0335C1H6R4DA01#
20.5pF   GRM033SC1HSR1DA01#   20.2pF   GRM033SC1HSR5DA01#   20.2pF   GRM033SC1HSR5DA01#   20.2pF   GRM03SC1HSR5DA01#   20.2pF   GRM03SC1HSR5DA01#   20.2pF   GRM03SC1HSR5DA01#   20.2pF   GRM03SC1HSR5DA01#   20.2pF   GRM03SC1HSR5DA01#   20.2pF   GRM03SC1HSR5DA01#   20.2pF   GRM03SC1HSR3DA01#   20.2pF   GR		· c0	$M_{r,T}$	T	±0.25pF	GRM0335C1H5R1CA01#		- TV	11.77	6.5pF	±0.05pF	GRM0335C1H6R5WA01#
5.2PF   40.05pF   GRM033SC1HSR2W019		1.0	·N.	M	±0.5pF	GRM0335C1H5R1DA01#		NN Y	TVI .	00.7.	±0.1pF	GRM0335C1H6R5BA01#
±0.5pF   GRM033SC1HSR2BA019   ±0.5pF   GRM033SC1HSR3BA019   ±0.		V.C	) N-	5.2pF	· ·	GRM0335C1H5R2WA01#	WTI	W				GRM0335C1H6R5CA01#
### ### ### ### #### #################		~1	$O_{N_I}$	·			TVV	N.	MM		CUN	-30
### 10.5pF   GRM0335C1H5R3DA01# ### 20.5pF   GRM0335C1H6R3DA01# ### 20.5pF   GRM0335C1H5R3DA01#	00  r.	COL	T:T		GRM0335C1H5R2CA01#	M. I			6.6pF		12-2	
5.3pF		1007		VIIV	<u> </u>		ON.TW			11.10	P	W. T
### 10.1pF   GRM0335C1H5R3BA01#   ### 10.5pF   GRM0335C1H5R3CA01#   ### 10.5pF   GRM0335C1H5R3CA01#   ### 10.5pF   GRM0335C1H5R3CA01#   ### 10.5pF   GRM0335C1H5R3CA01#   ### 10.25pF   GRM0335C1H5R3CA01#   ### 10.25pF   GRM0335C1H5R3CA01#   ### 10.25pF   GRM0335C1H5R3CA01#   ### 10.25pF   GRM0335C1H5R3CA01#   ### 10.5pF   GRM0335C1H5R3CA01#   ##		. 004	$LC^{\mathbf{C}}$	5.3pF	18	311111111111111111111111111111111111111	WTI		WW			THE STATE OF THE S
10.5pF   GRM0335C1HSR3A01#   6.7pF   20.5pF   GRM0335C1H6R7MA01#   20.5pF   GRM0335C1H5R3A01#   20.5p		1.700	<7 C	ONE.			COM.				T	0.00
### 10.5pF   GRM0335C1H5R3DA01#   #0.25pF   GRM0335C1H5R7AD01#   #0.25pF   GRM0335C1H5R7AD01#   #0.25pF   GRM0335C1H5R4DA01#	$\propto 10^{\circ}$	17.	MO		3 100 7	COMIL			6.7nF		TON-	
5.4pF ±0.05pF GRM0335C1H5R4WA01# ±0.25pF GRM0335C1H5R4BA01# ±0.25pF GRM0335C1H5R4BA01# ±0.25pF GRM0335C1H5R4BA01# ±0.25pF GRM0335C1H5R4BA01# ±0.5pF GRM0335C1H5R4BA01# ±0.5pF GRM0335C1H5R4BA01# ±0.25pF GRM0335C1H5R5BA01# ±0.25pF GRM0335C1H5R3BA01# ±0.25pF GRM0335C1H5R3A01# ±0.25pF GRM0335C1H5R3BA01# ±0.25pF GRM0335C1H		-11	101.		MAN.	<del>1</del> 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	-OM.TV			0.7 pi	100.7.	
#0.1pF   GRM0335C1H5R4BA01#   #0.5pF   GRM0335C1H5R4BA01#   #0.5pF   GRM0335C1H5R4BA01#   #0.1pF   GRM0335C1H5R4BA01#   #0.1pF   GRM0335C1H5R4BA01#   #0.2pF	M r.		5.4pF	-3.0	31111	N.COM	N	4		100		
### ### ##############################		WW.	100.	3.4pi			COM	XX				CUNT
### ### ##############################		N. T.	100	1.0	- T	301.40	$\overline{m}$ . $COM$ .	L 1		6 9nE	100	
\$5.5PF		MAN A	- 10	OY.C.		N N I	Mo. You	TW		0.001		M
### 10.1pF GRM0335C1H5R5BA01# ### 10.5pF GRM0335C1H5R5BA01# ### 10.5pF GRM0335C1H5R5BA01# ### 10.5pF GRM0335C1H5R5BA01# ### 10.5pF GRM0335C1H5R5BA01# ### 10.5pF GRM0335C1H5R6BA01# ### 10.5pF GRM0335C1H5R7WA01# ### 10.1pF GRM0335C1H5R7WA01# ### 10.5pF GRM0335C1H5R7BA01# ### 10.5pF GRM0335C1H5R8BA01# ### 10.5pF GRM0335C1H5R8BA01# ### 10.5pF GRM0335C1H5R8BA01# ### 10.5pF GRM0335C1H5R8BA01# ### 10.5pF GRM0335C1H5R9BA01# #### 10.5pF GRM0335C1H5R9BA01# #### 10.5pF GRM0335C1H5R9BA01# #### 10.5pF GRM0335C1H5R9BA01# #### 10.5pF GRM0335C1H5R9BA01# #### 10.5pF GRM0335C1H5R9BA01# #### 10.5pF GRM0335C1H5R9BA01# #### 10.5pF GRM0335C1H5R9BA01# #### 10.5pF GRM0335C1H5R9BA01# ##### 10.5pF GRM0335C1H5R9BA01# ###################################		WW	N.r.	5.5nF	J.		TONY.COM	WT				ATT.
### 10.5pF GRM0335C1H5R9X01#  ### 20.5pF GRM0335C1H5R7X01#  ### 20.5pF GRM0335C1H5R3001#  ### 20.5pF GRM0335C1H5R0001#    ### 20.5pF GRM0335C1H5R00001#  ### 20.5pF GRM0335C1H5R00001#  ### 20.5pF GRM0335C1H5R000			$\sim 1.3$	J.Jpi	- UN:		To CO	1.	vi -		A NYO	CUNT TAIL
### ### ##############################		1111	- TXXI	100 X.		2	$N.1_{00.1}$	$M_{T,T}$		6.0nE	1	
5.6pF ± 0.05pF GRM0335C1H5R6WA01# ± 0.5pF GRM0335C1H6R9CA01# ± 0.5pF GRM0335C1H5R6DA01# ± 0.5pF GRM0335C1H5R7WA01# ± 0.5pF GRM0335C1H5R7WA01# ± 0.5pF GRM0335C1H5R7WA01# ± 0.5pF GRM0335C1H5R7DA01# ± 0.5pF GRM0335C1H5R8WA01# ± 0.5pF GRM0335C1H5R8DA01# ± 0.5pF GRM0335C1H5R9WA01# ± 0.5pF GRM0335C1H5R9DA01# ± 0.5pF GRM0335C1H5R3DA01# ± 0.5pF GRM03		W	M.	- 1005		- TN 11	1007.00	Time		0.9pr		100 1. 201.7
#0.1pF GRM0335C1H5R6BA01# #0.5pF GRM0335C1H5R6DA01# #0.5pF GRM0335C1H5R6DA01# #0.5pF GRM0335C1H5R6DA01# #0.5pF GRM0335C1H5R7WA01# #0.5pF GRM0335C1H5R7WA01# #0.5pF GRM0335C1H5R7WA01# #0.5pF GRM0335C1H5R7DA01# #0.5pF GRM0335C1H5R7DA01# #0.5pF GRM0335C1H5R7DA01# #0.5pF GRM0335C1H5R7DA01# #0.5pF GRM0335C1H5R7DA01# #0.5pF GRM0335C1H5R7DA01# #0.5pF GRM0335C1H5R0DA01# #0.5pF GRM0335C1H5			IWI	F.Co.F	17 CV	TO STATE	M. COV.C	ON-	W			
### ### ##############################			-73.	э.өрг		N. S.	N. Inc.	$O_{Mr}$	- XX		-3111	M. S. COL.
### ### ##############################			Was	-X 10	9			CON	7.7.	-17.0-F		CONT.
5.7pF ±0.05pF GRM0335C1H7R0CA01# ±0.5pF GRM0335C1H7R0CA01# ±0.5pF GRM0335C1H7R0CA01# ±0.5pF GRM0335C1H7R0DA01# ±0.5pF GRM0335C1H7R1WA01# ±0.5pF GRM0335C1H7R1WA01# ±0.5pF GRM0335C1H7R1WA01# ±0.5pF GRM0335C1H7R1WA01# ±0.5pF GRM0335C1H7R1DA01# ±0.5pF GRM035C1H7R1DA01# ±0.5pF GRM0335C1H7R1DA01# ±0.5pF GRM0335C1H7R1DA01# ±0.5pF GRM0335C1H7R1DA01# ±0.5pF GRM0335C1H7R1DA01# ±0.5pF GRM0335C1H7R1DA01# ±0.5pF GRM0335C1H7R2WA01# ±0.5pF GRM0335C1H7R2WA01# ±0.5pF GRM0335C1H5R9WA01# ±0.5pF GRM0335C1H5R0A01# ±0.5pF GRM0335C1H6R0WA01#			W	1			71 100X		TI	7.0pF		211102
#0.1pF GRM0335C1H5R7BA01# #0.2pF GRM0335C1H5R7CA01# #0.5pF GRM0335C1H5R7CA01# #0.5pF GRM0335C1H5R7DA01# #0.1pF GRM0335C1H5R8WA01# #0.1pF GRM0335C1H5R8WA01# #0.25pF GRM0335C1H5R8BA01# #0.25pF GRM0335C1H5R8BA01# #0.25pF GRM0335C1H5R8BA01# #0.5pF GRM0335C1H5R8BA01# #0.5pF GRM0335C1H5R8BA01# #0.5pF GRM0335C1H5R8BA01# #0.5pF GRM0335C1H5R8BA01# #0.1pF GRM0335C1H5R8DA01# #0.1pF GRM0335C1H5R9BA01# #0.25pF GRM0335C1H5R9BA01# #0.25pF GRM0335C1H5R9BA01# #0.25pF GRM0335C1H5R9BA01# #0.5pF GRM0335C1H5R9BA01# #0.5pF GRM0335C1H5R9BA01# #0.5pF GRM0335C1H5R9DA01# #0.5pF GRM0335C1H5R9DA01# #0.5pF GRM0335C1H6R0BA01# #0.25pF GRM0335C1H6R0BA01# #0.5pF GRM0335C1H6R1WA01# #0.5pF GRM0335C1H6R1BA01#				12 - E	- 47	JUE AND A	WW.	V.CO	- 1			N
#0.25pF GRM0335C1H5R7CA01# #0.5pF GRM0335C1H5R8WA01#  5.8pF #0.05pF GRM0335C1H5R8WA01# #0.1pF GRM0335C1H5R8BA01# #0.25pF GRM0335C1H5R8BA01# #0.25pF GRM0335C1H5R8BA01# #0.5pF GRM0335C1H5R8DA01# #0.5pF GRM0335C1H5R8DA01# #0.5pF GRM0335C1H5R8DA01# #0.5pF GRM0335C1H5R8DA01# #0.25pF GRM0335C1H5R9DA01# #0.25pF GRM0335C1H5R9BA01# #0.25pF GRM0335C1H5R9DA01# #0.5pF GRM0335C1H5R9DA01#				5./pF	10-	CONT		T CC	Mr.			TAN WAS COL
### 10.5pF   GRM0335C1H5R7DA01#   ±0.1pF   GRM0335C1H7R1BA01#   ±0.25pF   GRM0335C1H7R1BA01#   ±0.25pF   GRM0335C1H7R1BA01#   ±0.5pF   GRM0335C1H7R1BA01#   ±0.5pF   GRM0335C1H7R1BA01#   ±0.5pF   GRM0335C1H7R1BA01#   ±0.5pF   GRM0335C1H7R1BA01#   ±0.5pF   GRM0335C1H7R2WA01#   ±0.5pF   GRM0335C1H7R2WA01#   ±0.1pF   GRM0335C1H7R2BA01#   ±0.25pF   GRM0335C1H7R2BA01#   ±0.25pF   GRM0335C1H7R2DA01#   ±0.5pF   GRM0335C1H7R2DA01#   ±0.5pF   GRM0335C1H7R2DA01#   ±0.5pF   GRM0335C1H7R2DA01#   ±0.5pF   GRM0335C1H7R3WA01#   ±0.1pF   GRM0335C1H7R3WA01#   ±0.25pF   GRM0335C1H7R3DA01#   ±0.5pF   GRM0335C1H7R4DA01#   ±0.5pF   GRM0335C1H7R5WA01#			N. A.	1100 5		W 1 10	01.	M	74.5	<u> </u>		
5.8pF				WW	400		_NN '	OOY.C		7.1pF	<u> </u>	3 100
#0.1pF GRM0335C1H5R8BA01# #0.25pF GRM0335C1H5R8CA01# #0.1pF GRM0335C1H5R8DA01# #0.25pF GRM0335C1H5R9DA01# #0.1pF GRM0335C1H5R9DA01# #0.5pF GRM0335C1H5R9DA01# #0.5pF GRM0335C1H5R9DA01# #0.5pF GRM0335C1H5R9DA01# #0.5pF GRM0335C1H5R9DA01# #0.5pF GRM0335C1H5R9DA01# #0.5pF GRM0335C1H5R9DA01# #0.5pF GRM0335C1H5R9DA01# #0.5pF GRM0335C1H5R9DA01# #0.5pF GRM0335C1H5R9DA01# #0.5pF GRM0335C1H5R9DA01# #0.5pF GRM0335C1H5R9DA01# #0.5pF GRM0335C1H5R9DA01# #0.5pF GRM0335C1H5R9DA01# #0.5pF GRM0335C1H5R9DA01# #0.5pF GRM0335C1H5R9DA01# #0.5pF GRM0335C1H5R3DA01# #0.5pF GRM0335C1H5R4DA01#				23/28		V CV - VI	— WWW.,		$C_{\mathbf{O}_{L}}$		<u> </u>	111111111111111111111111111111111111111
#0.25pF GRM0335C1H5R8CA01#  #0.5pF GRM0335C1H5R8DA01#  #0.1pF GRM0335C1H5R9WA01#  #0.25pF GRM0335C1H5R9BA01#  #0.25pF GRM0335C1H5R9BA01#  #0.25pF GRM0335C1H5R9CA01#  #0.5pF GRM0335C1H5R9CA01#  #0.5pF GRM0335C1H5R9DA01#  #0.1pF GRM0335C1H5R9DA01#  #0.1pF GRM0335C1H5R9DA01#  #0.25pF GRM0335C1H6R0BA01#  #0.25pF GRM0335C1H6R0BA01#  #0.25pF GRM0335C1H6R0BA01#  #0.25pF GRM0335C1H6R0BA01#  #0.25pF GRM0335C1H6R0BA01#  #0.5pF GRM0335C1H6R0BA01#  #0.5pF GRM0335C1H6R0BA01#  #0.5pF GRM0335C1H6R0BA01#  #0.5pF GRM0335C1H6R0BA01#  #0.1pF GRM0335C1H6R0BA01#  #0.25pF GRM0335C1H6R0BA01#  #0.25pF GRM0335C1H6R1WA01#  #0.25pF GRM0335C1H6R1BA01#  #0.5pF GRM0335C1H6R1BA01#  #0.5pF GRM0335C1H6R1BA01#  #0.5pF GRM0335C1H6R1BA01#  #0.5pF GRM0335C1H7R4CA01#				5.8pF					CO			
#0.25pF GRM0335C1H5R8CA01#  #0.5pF GRM0335C1H5R8DA01#  #0.1pF GRM0335C1H5R9WA01#  #0.25pF GRM0335C1H5R9BA01#  #0.25pF GRM0335C1H5R9BA01#  #0.25pF GRM0335C1H5R9CA01#  #0.5pF GRM0335C1H5R9CA01#  #0.5pF GRM0335C1H5R9DA01#  #0.1pF GRM0335C1H5R9DA01#  #0.1pF GRM0335C1H5R9DA01#  #0.25pF GRM0335C1H6R0BA01#  #0.25pF GRM0335C1H6R0BA01#  #0.25pF GRM0335C1H6R0BA01#  #0.25pF GRM0335C1H6R0BA01#  #0.25pF GRM0335C1H6R0BA01#  #0.5pF GRM0335C1H6R0BA01#  #0.5pF GRM0335C1H6R0BA01#  #0.5pF GRM0335C1H6R0BA01#  #0.5pF GRM0335C1H6R0BA01#  #0.1pF GRM0335C1H6R0BA01#  #0.25pF GRM0335C1H6R0BA01#  #0.25pF GRM0335C1H6R1WA01#  #0.25pF GRM0335C1H6R1BA01#  #0.5pF GRM0335C1H6R1BA01#  #0.5pF GRM0335C1H6R1BA01#  #0.5pF GRM0335C1H6R1BA01#  #0.5pF GRM0335C1H7R4CA01#					-11	30 2 00/12	_ // //	1700		TIME	· ·	
5.9pF ±0.05pF GRM0335C1H5R9WA01# ±0.1pF GRM0335C1H5R9BA01# ±0.5pF GRM0335C1H5R9CA01# ±0.5pF GRM0335C1H5R9CA01# ±0.5pF GRM0335C1H5R9DA01# ±0.5pF GRM0335C1H5R9DA01# ±0.5pF GRM0335C1H5R9DA01# ±0.1pF GRM0335C1H6R0WA01# ±0.25pF GRM0335C1H6R0WA01# ±0.25pF GRM0335C1H6R0BA01# ±0.5pF GRM0335C1H6R0CA01# ±0.5pF GRM0335C1H6R0CA01# ±0.5pF GRM0335C1H6R0DA01# ±0.5pF GRM0335C1H6R0DA01# ±0.5pF GRM0335C1H6R0DA01# ±0.5pF GRM0335C1H6R0DA01# ±0.5pF GRM0335C1H7R4WA01# ±0.25pF GRM0335C1H6R1WA01# ±0.25pF GRM0335C1H6R1WA01# ±0.25pF GRM0335C1H7R4DA01# ±0.25pF GRM0335C1H7R4DA01# ±0.25pF GRM0335C1H6R1BA01# ±0.25pF GRM0335C1H6R1BA01# ±0.25pF GRM0335C1H7R4DA01#				1		The state of the s	_ \_\_\'\	1	< 7 \ /	7.2pF	<u> </u>	1 100 2
#0.1pF   GRM0335C1H5R9BA01#   ±0.25pF   GRM0335C1H5R9CA01#   ±0.5pF   GRM0335C1H5R9CA01#   ±0.5pF   GRM0335C1H5R9DA01#   ±0.1pF   GRM0335C1H5R3BA01#   ±0.1pF   GRM0335C1H5R3BA01#   ±0.25pF   GRM0335C1H6R0WA01#   ±0.25pF   GRM0335C1H6R0BA01#   ±0.25pF   GRM0335C1H6R0CA01#   ±0.5pF   GRM0335C1H6R0DA01#   ±0.5pF   GRM0335C1H6R0DA01#   ±0.5pF   GRM0335C1H6R0DA01#   ±0.5pF   GRM0335C1H6R0DA01#   ±0.25pF   GRM0335C1H6R0DA01#   ±0.25pF   GRM0335C1H7R4CA01#   ±0.25pF   GRM0335C1H7R4CA01#   ±0.25pF   GRM0335C1H7R4CA01#   ±0.25pF   GRM0335C1H7R4DA01#   ±0.25pF   GRM0335C1H7R5WA01#   ±0.25pF					±0.5pF	GRM0335C1H5R8DA01#	ww				±0.1pF	GRM0335C1H7R2BA01#
#0.1pF   GRM0335C1H5R9BA01#   ±0.25pF   GRM0335C1H5R9CA01#   ±0.5pF   GRM0335C1H5R9CA01#   ±0.5pF   GRM0335C1H5R9DA01#   ±0.1pF   GRM0335C1H5R3BA01#   ±0.1pF   GRM0335C1H5R3BA01#   ±0.25pF   GRM0335C1H6R0WA01#   ±0.25pF   GRM0335C1H6R0BA01#   ±0.25pF   GRM0335C1H6R0CA01#   ±0.5pF   GRM0335C1H6R0DA01#   ±0.5pF   GRM0335C1H6R0DA01#   ±0.5pF   GRM0335C1H6R0DA01#   ±0.5pF   GRM0335C1H6R0DA01#   ±0.25pF   GRM0335C1H6R0DA01#   ±0.25pF   GRM0335C1H7R4CA01#   ±0.25pF   GRM0335C1H7R4CA01#   ±0.25pF   GRM0335C1H7R4CA01#   ±0.25pF   GRM0335C1H7R4DA01#   ±0.25pF   GRM0335C1H7R5WA01#   ±0.25pF				5.9pF	±0.05pF	GRM0335C1H5R9WA01#	_	JW.11	10 -		-41	
#0.5pF GRM0335C1H5R9DA01#  6.0pF					±0.1pF	GRM0335C1H5R9BA01#			001		±0.5pF	GRM0335C1H7R2DA01#
6.0pF ±0.05pF GRM0335C1H6R0WA01# ±0.25pF GRM0335C1H7R3DA01# ±0.25pF GRM0335C1H7R3DA01# ±0.5pF GRM0335C1H6R0DA01# ±0.5pF GRM0335C1H6R0DA01# ±0.5pF GRM0335C1H6R0DA01# ±0.5pF GRM0335C1H7R4WA01# ±0.5pF GRM0335C1H6R0DA01# ±0.05pF GRM0335C1H7R4DA01# ±0.25pF GRM0335C1H7R4DA01# ±0.25pF GRM0335C1H7R4DA01# ±0.5pF GRM0335C1H7R4DA01# ±0.5pF GRM0335C1H7R4DA01# ±0.5pF GRM0335C1H7R4DA01# ±0.5pF GRM0335C1H7R4DA01#					±0.25pF	GRM0335C1H5R9CA01#	N N	1	100	7.3pF	±0.05pF	GRM0335C1H7R3WA01#
6.0pF					±0.5pF	GRM0335C1H5R9DA01#	<del>and</del>	UWW	.70		±0.1pF	GRM0335C1H7R3BA01#
### ±0.25pF GRM0335C1H6R0CA01# ### ±0.5pF GRM0335C1H7R4WA01# #### ±0.1pF GRM0335C1H7R4WA01# #### #### ±0.1pF GRM0335C1H6R1WA01# #### ##### ##### ##################				6.0pF	±0.05pF	GRM0335C1H6R0WA01#			N.10		±0.25pF	GRM0335C1H7R3CA01#
#0.5pF GRM0335C1H6R0DA01#  6.1pF					±0.1pF	GRM0335C1H6R0BA01#	TW	MAL	xx 1	00 x.	±0.5pF	GRM0335C1H7R3DA01#
±0.5pF       GRM0335C1H6R0DA01#       ±0.1pF       GRM0335C1H7R4BA01#         6.1pF       ±0.05pF       GRM0335C1H6R1WA01#       ±0.25pF       GRM0335C1H7R4CA01#         ±0.1pF       GRM0335C1H6R1BA01#       ±0.5pF       GRM0335C1H7R4DA01#         ±0.25pF       GRM0335C1H6R1CA01#       7.5pF       ±0.05pF       GRM0335C1H7R5WA01#					±0.25pF	GRM0335C1H6R0CA01#	W	WW	11.	7.4pF	±0.05pF	GRM0335C1H7R4WA01#
### ±0.1pF   GRM0335C1H6R1CA01#   ±0.25pF   GRM0335C1H7R4CA01#   ±0.25pF   GRM0335C1H7R4DA01#   ±0.25pF   GRM0335C1H7R5WA01#   ±0.05pF   GRM0335C1H7R5WA01#					±0.5pF	GRM0335C1H6R0DA01#	L. Z		WW.		±0.1pF	GRM0335C1H7R4BA01#
±0.25pF <b>GRM0335C1H6R1CA01#</b> 7.5pF ±0.05pF <b>GRM0335C1H7R5WA01#</b>				6.1pF	±0.05pF	GRM0335C1H6R1WA01#	W.I.A.	M			±0.25pF	GRM0335C1H7R4CA01#
1003					±0.1pF	GRM0335C1H6R1BA01#	TIV				±0.5pF	GRM0335C1H7R4DA01#
±0.5pF   GRM0335C1H6R1DA01#   ±0.1pF   GRM0335C1H7R5BA01#					±0.25pF	GRM0335C1H6R1CA01#	J. S. S. S. S. S. S. S. S. S. S. S. S. S.			7.5pF	±0.05pF	GRM0335C1H7R5WA01#
					±0.5pF	GRM0335C1H6R1DA01#					±0.1pF	GRM0335C1H7R5BA01#

GJM Series

**GMA** Series

**GMD** Series GQM Series

**GRJ** Series

GR3 Series KRM Series

#### **GRM Series Temperature Compensating Type** Part Number List

T max.	Rated Voltage	TC Code	Сар.	Tol.	Part Number		T max.	Rated Voltage	TC Code	Сар.	Tol.	Part Number
0.33mm	50Vdc	COG	7.5pF	±0.25pF	GRM0335C1H7R5CA01#	401	0.33mm	50Vdc	COG	8.9pF	±0.05pF	GRM0335C1H8R9WA01#
			- ST	±0.5pF	GRM0335C1H7R5DA01#			-7 (	CON		±0.1pF	GRM0335C1H8R9BA01#
			7.6pF	±0.05pF	GRM0335C1H7R6WA01#			00%		$V_{I,I,I}$	±0.25pF	GRM0335C1H8R9CA01#
	W		WY	±0.1pF	GRM0335C1H7R6BA01#			1007		TIL	±0.5pF	GRM0335C1H8R9DA01#
	. 1		-31	±0.25pF	GRM0335C1H7R6CA01#				V.C	9.0pF	±0.05pF	GRM0335C1H9R0WA01#
	1.1.			±0.5pF	GRM0335C1H7R6DA01#			N.100	- -7 (	$O_{M^{-1}}$	±0.1pF	GRM0335C1H9R0BA01#
	TI		7.7pF	±0.05pF	GRM0335C1H7R7WA01#			W.10	01.	MOD	±0.25pF	GRM0335C1H9R0CA01#
	) IAT	W		±0.1pF	GRM0335C1H7R7BA01#			1	10N		±0.5pF	GRM0335C1H9R0DA01#
	$0_{M^{*}}$			±0.25pF	GRM0335C1H7R7CA01#	N		MM.	100	9.1pF	±0.05pF	GRM0335C1H9R1WA01#
	MO	LA	_	±0.5pF	GRM0335C1H7R7DA01#			WW	Ino.	57 CO	±0.1pF	GRM0335C1H9R1BA01#
		TV	7.8pF	±0.05pF	GRM0335C1H7R8WA01#				1.100	) }.	±0.25pF	GRM0335C1H9R1CA01#
	$\mathbb{C}_{\Omega_{\lambda}}$		N	±0.1pF	GRM0335C1H7R8BA01#	TW		MM.	-11	OX	±0.5pF	GRM0335C1H9R1DA01#
	s1 CO	M.r.	XX	±0.25pF	GRM0335C1H7R8CA01#			WW	M. 7	9.2pF	±0.05pF	GRM0335C1H9R2WA01#
	1.0	M		±0.5pF	GRM0335C1H7R8DA01#	1.7			W.	100	±0.1pF	GRM0335C1H9R2BA01#
	01.0	~1/	7.9pF	±0.05pF	GRM0335C1H7R9WA01#	$\Gamma_{1M}$		1/1		700 7	±0.25pF	GRM0335C1H9R2CA01#
	O.Y.O	On	WT	±0.1pF	GRM0335C1H7R9BA01#	- A		W	M	100	±0.5pF	GRM0335C1H9R2DA01#
	.00 ·	$CO_J$	1	±0.25pF	GRM0335C1H7R9CA01#	$O_{Mr}$				9.3pF	±0.05pF	GRM0335C1H9R3WA01#
	100%	CC	Mil	±0.5pF	GRM0335C1H7R9DA01#	4ON				M.In	±0.1pF	GRM0335C1H9R3BA01#
	100		8.0pF	±0.05pF	GRM0335C1H8R0WA01#	01				V.V.1	±0.25pF	GRM0335C1H9R3CA01#
	N.>	N.C	OH-	±0.1pF	GRM0335C1H8R0BA01#				W	N T	±0.5pF	GRM0335C1H9R3DA01#
	W.10		$CO_{MT}$	±0.25pF	GRM0335C1H8R0CA01#	J.C				9.4pF	±0.05pF	GRM0335C1H9R4WA01#
	UW.1	M r.	COM	±0.5pF	GRM0335C1H8R0DA01#			rs.T		TWV.	±0.1pF	GRM0335C1H9R4BA01#
		1007	8.1pF	±0.05pF	GRM0335C1H8R1WA01#	01.		N.		NN Y	±0.25pF	GRM0335C1H9R4CA01#
	WW.	400	Y.Co	±0.1pF	GRM0335C1H8R1BA01#	ooy.		W		11/1/1	±0.5pF	GRM0335C1H9R4DA01#
	TWV.	.70.	V.CC	±0.25pF	GRM0335C1H8R1CA01#			W		9.5pF	±0.05pF	GRM0335C1H9R5WA01#
		N.10	0 1.	±0.5pF	GRM0335C1H8R1DA01#	700		, r		- 1	±0.1pF	GRM0335C1H9R5BA01#
	MAI	· · · · · · · · · · · · · · · · · · · ·	8.2pF	±0.05pF	GRM0335C1H8R2WA01#	1.10		$T_{JJA}$	1	1	±0.25pF	GRM0335C1H9R5CA01#
	WV	111.	LOOY.	±0.1pF	GRM0335C1H8R2BA01#	_4(		MT.	1		±0.5pF	GRM0335C1H9R5DA01#
	W	NW	100	±0.25pF	GRM0335C1H8R2CA01#	M.,		T	N	9.6pF	±0.05pF	GRM0335C1H9R6WA01#
			1.100	±0.5pF	GRM0335C1H8R2DA01#	W.		$O_{M',I}$			±0.1pF	GRM0335C1H9R6BA01#
		1	8.3pF	±0.05pF	GRM0335C1H8R3WA01#			Mo.			±0.25pF	GRM0335C1H9R6CA01#
		WW	- 10	±0.1pF	GRM0335C1H8R3BA01#				TW		±0.5pF	GRM0335C1H9R6DA01#
			111.7	±0.25pF	GRM0335C1H8R3CA01#			COR		9.7pF	±0.05pF	GRM0335C1H9R7WA01#
		1		±0.5pF	GRM0335C1H8R3DA01#				11.	NZ.	±0.1pF	GRM0335C1H9R7BA01#
		111	8.4pF	±0.05pF	GRM0335C1H8R4WA01#	<i>M</i> .		- C(	$M_{i,j}$	L 1	±0.25pF	GRM0335C1H9R7CA01#
		1	May	±0.1pF	GRM0335C1H8R4BA01#	1		D.Y.C.	M	IM	±0.5pF	GRM0335C1H9R7DA01#
			WW	±0.25pF	GRM0335C1H8R4CA01#	- 1		ony.C	Or.	9.8pF	±0.05pF	GRM0335C1H9R8WA01#
			1	±0.5pF	GRM0335C1H8R4DA01#			00	$CO_D$	T	±0.1pF	GRM0335C1H9R8BA01#
			8.5pF	±0.05pF	GRM0335C1H8R5WA01#			100X	0	M.r.	±0.25pF	GRM0335C1H9R8CA01#
			W	±0.1pF	GRM0335C1H8R5BA01#			1 100		TIME	±0.5pF	GRM0335C1H9R8DA01#
			11	±0.25pF	GRM0335C1H8R5CA01#			1.00	V.C	9.9pF	±0.05pF	GRM0335C1H9R9WA01#
				±0.5pF	GRM0335C1H8R5DA01#			M.To.		OM.	±0.1pF	GRM0335C1H9R9BA01#
			8.6pF	±0.05pF	GRM0335C1H8R6WA01#	-		TW.11	W 2-7	COM	±0.25pF	GRM0335C1H9R9CA01#
				±0.1pF	GRM0335C1H8R6BA01#				001		±0.5pF	GRM0335C1H9R9DA01#
				±0.25pF	GRM0335C1H8R6CA01#	W.		M.	100	10pF	±2%	GRM0335C1H100GA01#
				±0.5pF	GRM0335C1H8R6DA01#	-		WW	.10	J.CC	±5%	GRM0335C1H100JA01#
			8.7pF	±0.05pF	GRM0335C1H8R7WA01#	11			N.10	12pF	±2%	GRM0335C1H120GA01#
				±0.1pF	GRM0335C1H8R7BA01#	TI		MA	XXI 1	10 x .	±5%	GRM0335C1H120JA01#
				±0.25pF	GRM0335C1H8R7CA01#	4		WW	1	15pF	±2%	GRM0335C1H150GA01#
				±0.5pF	GRM0335C1H8R7DA01#	Mr.		W	NW.	10	±5%	GRM0335C1H150JA01#
			8.8pF	±0.05pF	GRM0335C1H8R8WA01#	$M_{i}$		44		18pF	±2%	GRM0335C1H180GA01#
				±0.1pF	GRM0335C1H8R8BA01#	1					±5%	GRM0335C1H180JA01#
				±0.25pF	GRM0335C1H8R8CA01#	Oh.				22pF	±2%	GRM0335C1H220GA01#
				±0.5pF	GRM0335C1H8R8DA01#						±5%	GRM0335C1H220JA01#

T max.	Rated Voltage	TC Code	Сар.	Tol.	Part Number
33mm	50Vdc	COG	27pF	±2%	GRM0335C1H270GA01#
				±5%	GRM0335C1H270JA01#
	W		33pF	±2%	GRM0335C1H330GA01#
	TIN			±5%	GRM0335C1H330JA01#
			39pF	±2%	GRM0335C1H390GA01#
	LIN			±5%	GRM0335C1H390JA01#
	TT	N	47pF	±2%	GRM0335C1H470GA01#
	Mr			±5%	GRM0335C1H470JA01#
	$OM_{ij}$	-1	56pF	±2%	GRM0335C1H560GA01#
	Mo	LIN		±5%	GRM0335C1H560JA01#
	COR	TV	68pF	±2%	GRM0335C1H680GA01#
	CON	J. P.	N.	±5%	GRM0335C1H680JA01#
	CO	$\Lambda_{\cdot,T}$	82pF	±2%	GRM0335C1H820GA01#
	Y.Co	N 7	OLD.	±5%	GRM0335C1H820JA01#
	ov.C	Diar.	100pF	±2%	GRM0335C1H101GA01#
	-7 (	OM	ТООРІ	±5%	GRM0335C1H101JA01#
	001.		120nE		GRM0335C1H121GA01#
	YOU.	CO	120pF	±2%	
	700		150 E	±5%	GRM0335C1H121JA01#
	V.100		150pF	±2%	GRM0335C1H151GA01#
	100	N.C	ant.	±5%	GRM0335C1H151JA01#
	M.r		180pF	±2%	GRM0335C1H181GA01#
	VW.1	37	COM	±5%	GRM0335C1H181JA01#
	-TXN .	100 x	220pF	±2%	GRM0335C1H221GA01#
	MAI.	-00	V.Co.	±5%	GRM0335C1H221JA01#
	WWW	CK	0.10pF	±0.05pF	GRM0334C1HR10WA01#
		N.10	0.20pF	±0.05pF	GRM0334C1HR20WA01#
	MAN	-x1 1	001.	±0.1pF	GRM0334C1HR20BA01#
	WW	111.	0.30pF	±0.05pF	GRM0334C1HR30WA01#
	-31	NW	Too	±0.1pF	GRM0334C1HR30BA01#
			0.40pF	±0.05pF	GRM0334C1HR40WA01#
	V			±0.1pF	GRM0334C1HR40BA01#
		WW	0.50pF	±0.05pF	GRM0334C1HR50WA01#
				±0.1pF	GRM0334C1HR50BA01#
		11/1	0.60pF	±0.05pF	GRM0334C1HR60WA01#
		W	M. M.	±0.1pF	GRM0334C1HR60BA01#
			0.70pF	±0.05pF	CONTRACT
			- A	±0.1pF	GRM0334C1HR70BA01#
			0.80pF	±0.05pF	
			0.00pi	±0.05pi	GRM0334C1HR80BA01#
			0.90pF	±0.1pr	GRM0334C1HR90WA01#
			0.90pF	-314	DU - ONL.
			10.5	±0.1pF	GRM0334C1HR90BA01#
			1.0pF	±0.05pF	
				±0.1pF	GRM0334C1H1R0BA01#
				±0.25pF	GRM0334C1H1R0CA01#
			1.1pF	±0.05pF	GRM0334C1H1R1WA01#
				±0.1pF	GRM0334C1H1R1BA01#
				±0.25pF	GRM0334C1H1R1CA01#
			1.2pF	±0.05pF	GRM0334C1H1R2WA01#
				±0.1pF	GRM0334C1H1R2BA01#
				±0.25pF	GRM0334C1H1R2CA01#
			1.3pF	±0.05pF	GRM0334C1H1R3WA01#
				±0.1pF	GRM0334C1H1R3BA01#
				±0.25pF	GRM0334C1H1R3CA01#
	1	1			AA 40013-2

T max.	Rated Voltage	TC Code	Cap.	Tol.	Part Number	
0.33mm	50Vdc	СК	1.4pF	±0.1pF	GRM0334C1H1R4BA01#	
	JU -7 (	ON		±0.25pF	GRM0334C1H1R4CA01#	
	00x		1.5pF	±0.05pF	GRM0334C1H1R5WA01#	
	1003			±0.1pF	GRM0334C1H1R5BA01#	
	.10	V.C	) [A 1.	±0.25pF	GRM0334C1H1R5CA01#	
	N.100	-7 C	1.6pF	±0.05pF	GRM0334C1H1R6WA01#	
	N.10	01.		±0.1pF	GRM0334C1H1R6BA01#	
	-11	ON.		±0.25pF	GRM0334C1H1R6CA01#	
	MM.		1.7pF	±0.05pF	GRM0334C1H1R7WA01#	
	WW	Ina		±0.1pF	GRM0334C1H1R7BA01#	
		1.100	1.	±0.25pF	GRM0334C1H1R7CA01#	
	MM.	-110	1.8pF	±0.05pF	GRM0334C1H1R8WA01#	
	WW	111.7		±0.1pF	GRM0334C1H1R8BA01#	
		JW.		±0.25pF	GRM0334C1H1R8CA01#	
	1/1		1.9pF	±0.05pF	GRM0334C1H1R9WA01#	
	W	William		±0.1pF	GRM0334C1H1R9BA01#	
		TW		±0.25pF	GRM0334C1H1R9CA01#	
			2.0pF	±0.05pF	GRM0334C1H2R0WA01#	
		MA		±0.1pF	GRM0334C1H2R0BA01#	
		W		±0.25pF	GRM0334C1H2R0CA01#	
		CJ	2.1pF	±0.05pF	GRM0333C1H2R1WA01#	
			-411	±0.1pF	GRM0333C1H2R1BA01#	
	N	4		±0.25pF	GRM0333C1H2R1CA01#	
			2.2pF	±0.05pF	GRM0333C1H2R2WA01#	
			ζ.ΖΡΙ	±0.05pr	GRM0333C1H2R2BA01#	
	IM			±0.25pF	GRM0333C1H2R2CA01#	
	WT		2.2nE		GRM0333C1H2R3WA01#	
	7	(I	2.3pF	±0.05pF	GRM0333C1H2R3BA01#	
	$M_{IJ}$			±0.1pF		
	Time	W	0.45	±0.25pF	GRM0333C1H2R3CA01# GRM0333C1H2R4WA01#	
	DIA.	M	2.4pF	±0.05pF	. 001.	N
	OM.	-XXI		±0.1pF	GRM0333C1H2R4BA01#	
	CON	7.1.		±0.25pF	GRM0333C1H2R4CA01#	F ' '
	.00	TI	2.5pF	±0.05pF	GRM0333C1H2R5WA01#	
	V.CO	17		±0.1pF	GRM0333C1H2R5BA01#	
	-1 C	M.	- '	±0.25pF	GRM0333C1H2R5CA01#	70.
	01.0	Mo	2.6pF	±0.05pF	GRM0333C1H2R6WA01#	M
	ON.C			±0.1pF	GRM0333C1H2R6BA01#	
		$C_{\mathbf{O}_{D}}$	100	±0.25pF	GRM0333C1H2R6CA01#	Ωъ
	100 .	0	2.7pF	±0.05pF	GRM0333C1H2R7WA01#	0
	100			±0.1pF	GRM0333C1H2R7BA01#	
	1	V.C	O 24 1	±0.25pF	GRM0333C1H2R7CA01#	
	W.In.	ST (	2.8pF	±0.05pF	GRM0333C1H2R8WA01#	1.
	TXV.10	10 7.		±0.1pF	GRM0333C1H2R8BA01#	
	N 1	001		±0.25pF	GRM0333C1H2R8CA01#	01
	M.W.	.001	2.9pF	±0.05pF	GRM0333C1H2R9WA01#	003
	TAN W	700		±0.1pF	GRM0333C1H2R9BA01#	
	1	N.10	Dr.	±0.25pF	GRM0333C1H2R9CA01#	
	WW	2.11	3.0pF	±0.05pF	GRM0333C1H3R0WA01#	
	WIN	11.7		±0.1pF	GRM0333C1H3R0BA01#	
	14	NIW.		±0.25pF	GRM0333C1H3R0CA01#	
		14	3.1pF	±0.05pF	GRM0333C1H3R1WA01#	
				±0.1pF	GRM0333C1H3R1BA01#	
				±0.25pF	GRM0333C1H3R1CA01#	
	I					

GJM Series

GMA Series

GQM Series GMD Series

GR3 Series GRJ Series

## **GRM Series Temperature Compensating Type** Part Number List

T max.	Rated Voltage	TC Code	Сар.	Tol.	Part Number		T max.	Rated Voltage	TC Code	Cap.	Tol.	Part Number
0.33mm	50Vdc	CJ	3.2pF	±0.1pF	GRM0333C1H3R2BA01#		0.33mm	50Vdc	СН	5.0pF	±0.1pF	GRM0332C1H5R0BA01#
			N T	±0.25pF	GRM0333C1H3R2CA01#			JU 27 (	NO.	. 1	±0.25pF	GRM0332C1H5R0CA01#
			3.3pF	±0.05pF	GRM0333C1H3R3WA01#			00%		5.1pF	±0.05pF	GRM0332C1H5R1WA01#
	W		WV	±0.1pF	GRM0333C1H3R3BA01#			1007	Co	177	±0.1pF	GRM0332C1H5R1BA01#
	. 1			±0.25pF	GRM0333C1H3R3CA01#			.10	v.C	DIAT.	±0.25pF	GRM0332C1H5R1CA01#
	LTV		3.4pF	±0.05pF	GRM0333C1H3R4WA01#			N.100	-1 (	$O_{M^{*}}$	±0.5pF	GRM0332C1H5R1DA01#
	TI	N		±0.1pF	GRM0333C1H3R4BA01#			xx 10	01.	5.2pF	±0.05pF	GRM0332C1H5R2WA01#
	Mr.	W		±0.25pF	GRM0333C1H3R4CA01#			1	OY.	COP	±0.1pF	GRM0332C1H5R2BA01#
	$0_{M^{*}}$	-1	3.5pF	±0.05pF	GRM0333C1H3R5WA01#	N		MM.	0	$^{1}$ CO $_{D}$	±0.25pF	GRM0332C1H5R2CA01#
	Mo	IN		±0.1pF	GRM0333C1H3R5BA01#	4		WIXE	700	7 00	±0.5pF	GRM0332C1H5R2DA01#
		TV		±0.25pF	GRM0333C1H3R5CA01#	M		111	100	5.3pF	±0.05pF	GRM0332C1H5R3WA01#
	$CO_{\tilde{D}}$		3.6pF	±0.05pF	GRM0333C1H3R6WA01#	TV		WW	16	oy.C	±0.1pF	GRM0332C1H5R3BA01#
	- c0	$M_{I,I}$		±0.1pF	GRM0333C1H3R6BA01#			· NIW	11.7.		±0.25pF	GRM0332C1H5R3CA01#
	1.0	M	. 11	±0.25pF	GRM0333C1H3R6CA01#	1.1		111	. N.1	100 r.	±0.5pF	GRM0332C1H5R3DA01#
	N.C.	) 1. V	3.7pF	±0.05pF	GRM0333C1H3R7WA01#	11		W		5.4pF	±0.05pF	GRM0332C1H5R4WA01#
	~ (C	$O_{N_1}$	TVN	±0.1pF	GRM0333C1H3R7BA01#	-		W	WW		±0.1pF	GRM0332C1H5R4BA01#
	00 7.	cO1	T.T.	±0.25pF	GRM0333C1H3R7CA01#	ON.			UNI	N.In.	±0.25pF	GRM0332C1H5R4CA01#
	1007		3.8pF	±0.05pF	GRM0333C1H3R8WA01#	-01			1	W.10	±0.5pF	GRM0332C1H5R4DA01#
	400	I.C.	T	±0.1pF	GRM0333C1H3R8BA01#				MA	5.5pF	±0.05pF	GRM0332C1H5R5WA01#
	1.Inc	J C	$O_{Mr}$ .	±0.25pF	GRM0333C1H3R8CA01#	<u>,CC</u>			W	MAG	±0.1pF	GRM0332C1H5R5BA01#
	$W.10^{\circ}$	) }.	3.9pF	±0.05pF	GRM0333C1H3R9WA01#	.7 (				WW.	±0.25pF	GRM0332C1H5R5CA01#
	-311	07.		±0.1pF	GRM0333C1H3R9BA01#					- 111	±0.5pF	GRM0332C1H5R5DA01#
	M	007	$CO_{D}$	±0.25pF	GRM0333C1H3R9CA01#	0 <del>7 .</del>		N	4	5.6pF	±0.05pF	
	WW.	СН	4.0pF	±0.05pF	GRM0332C1H4R0WA01#	001		W		WW	±0.1pF	GRM0332C1H5R6BA01#
		100	7.00	±0.1pF	GRM0332C1H4R0BA01#	uu-					±0.25pF	
	MM.	«1 10	01.0	±0.25pF	GRM0332C1H4R0CA01#	100		In			±0.5pF	GRM0332C1H5R6DA01#
	WW	N	4.1pF	±0.05pF	GRM0332C1H4R1WA01#	. 10		WTI		5.7pF	±0.05pF	100
	- 111	W.)	<b>3</b> (	±0.1pF	GRM0332C1H4R1BA01#	1.		TV	V	1	±0.1pF	GRM0332C1H5R7BA01#
	N.	TVN.	700 7.	±0.25pF	GRM0332C1H4R1CA01#	W)		M.r.	ON I		±0.25pF	
	W	NN 1	4.2pF	±0.05pF	GRM0332C1H4R2WA01#	-XXI		T.Mc	11		±0.5pF	GRM0332C1H5R7DA01#
			1.2	±0.1pF	GRM0332C1H4R2BA01#	-		- N \ \	W	5.8pF	±0.05pF	1
		TW.	M.In.	±0.25pF	GRM0332C1H4R2CA01#	W		OM	TV		±0.1pF	GRM0332C1H5R8BA01#
		NY '	4.3pF	9 7	GRM0332C1H4R3WA01#	- 1		CON		<b>K</b> T	-	GRM0332C1H5R8CA01#
		W	-311	±0.1pF	GRM0332C1H4R3BA01#				V.J.		±0.5pF	GRM0332C1H5R8DA01#
		W	M.M.	±0.25pF	U.S.	W		Y.Co.	1	5.9pF	±0.05pF	W
			4.4pF	±0.05pF	GRM0332C1H4R4WA01#	11		V.C	) Na	TW	±0.1pF	GRM0332C1H5R9BA01#
				±0.1pF	GRM0332C1H4R4BA01#			×1 (	$O_{M}$	-XXI	-	GRM0332C1H5R9CA01#
			MAL	±0.25pF	GRM0332C1H4R4CA01#	_		001.		I'I A	±0.5pF	GRM0332C1H5R9DA01#
			4.5pF	±0.05pF	31 CM 1 23N			1001.		6.0pF	±0.05pF	- 500
			431	±0.1pF	GRM0332C1H4R5BA01#				CU.	The state of the s	±0.1pF	GRM0332C1H6R0BA01#
				±0.25pF	GRM0332C1H4R5CA01#			1.700	87 C	OMr.,	±0.25pF	
			4.6pF	±0.05pF	GRM0332C1H4R6WA01#			W.100	7.	MO	±0.5pF	GRM0332C1H6R0DA01#
				±0.1pF	GRM0332C1H4R6BA01#				01.	6.1pF	±0.05pF	<b>1 1 1 1 1 1 1 1 1 1</b>
				±0.25pF	GRM0332C1H4R6CA01#			111.	M	$C_{O_{P_1}}$	±0.1pF	GRM0332C1H6R1BA01#
			4.7pF	±0.05pF	GRM0332C1H4R7WA01#			WW.	100		±0.25pF	
			·	±0.1pF	GRM0332C1H4R7BA01#	<del> </del>		TAT VA	700	- 60	±0.5pF	GRM0332C1H6R1DA01#
				±0.25pF	GRM0332C1H4R7CA01#	[W			110	6.2pF	±0.05pF	
			4.8pF	±0.05pF	GRM0332C1H4R8WA01#	TI		WW	1	nov.C	±0.1pF	GRM0332C1H6R2BA01#
				±0.1pF	GRM0332C1H4R8BA01#	-		WIN	$M_{\gamma I}$	- NET (	±0.25pF	
				±0.25pF	1 100 3	1.1		111	TIN.	$I_{00,I}$	±0.5pF	GRM0332C1H6R2DA01#
			4.9pF	±0.05pF	GRM0332C1H4R9WA01#	71		W	14 4.	6.3pF	±0.05pF	
				±0.1pF	GRM0332C1H4R9BA01#	) IVI					±0.1pF	GRM0332C1H6R3BA01#
				±0.25pF	GRM0332C1H4R9CA01#	ON					±0.25pF	
			5.0pF		GRM0332C1H5R0WA01#						±0.5pF	GRM0332C1H6R3DA01#
				pi				1	1		_5.561	

T max.	Rated Voltage	TC Code	Сар.	Tol.	Part Number	T max.	Rated Voltage	TC Code	Cap.	Tol.	Part Number
0.33mm	50Vdc	СН	6.4pF	±0.05pF	GRM0332C1H6R4WA01#	0.33mm	50Vdc	СН	7.7pF	±0.25pF	GRM0332C1H7R7CA01#
			N Y	±0.1pF	GRM0332C1H6R4BA01#	T. W. M. 1	)() r.	NO.		±0.5pF	GRM0332C1H7R7DA01#
			MM	±0.25pF	GRM0332C1H6R4CA01#	-WW.	00%	_01	7.8pF	±0.05pF	GRM0332C1H7R8WA01#
			WV	±0.5pF	GRM0332C1H6R4DA01#	MM M.	1001	Co		±0.1pF	GRM0332C1H7R8BA01#
	. 1		6.5pF	±0.05pF	GRM0332C1H6R5WA01#			J.CC		±0.25pF	GRM0332C1H7R8CA01#
	LIV			±0.1pF	GRM0332C1H6R5BA01#	= \\\	N.100	-7 C		±0.5pF	GRM0332C1H7R8DA01#
		N		±0.25pF	GRM0332C1H6R5CA01#		N 10	27.	7.9pF	±0.05pF	GRM0332C1H7R9WA01#
	Mr.	N		±0.5pF	GRM0332C1H6R5DA01#	WW	-11	ON.		±0.1pF	GRM0332C1H7R9BA01#
	$0_{M^*}$ ,		6.6pF	±0.05pF	GRM0332C1H6R6WA01#	- XX	MM.			±0.25pF	GRM0332C1H7R9CA01#
		LA		±0.1pF	GRM0332C1H6R6BA01#		WW	700.	47 CO	±0.5pF	GRM0332C1H7R9DA01#
		VI		±0.25pF	GRM0332C1H6R6CA01#		1	1.100	8.0pF	±0.05pF	GRM0332C1H8R0WA01#
		- 1	N	±0.5pF	GRM0332C1H6R6DA01#	N	MM.	-110		±0.1pF	GRM0332C1H8R0BA01#
	J CO	1.7	6.7pF	±0.05pF	GRM0332C1H6R7WA01#		WW	(11.7)		±0.25pF	GRM0332C1H8R0CA01#
		M	E.A.	±0.1pF	GRM0332C1H6R7BA01#	- 1		JW.		±0.5pF	GRM0332C1H8R0DA01#
	O.Y.C.	- 1/	TW	±0.25pF	GRM0332C1H6R7CA01#	IN	1111		8.1pF	±0.05pF	GRM0332C1H8R1WA01#
		$O_{N_1}$	W	±0.5pF	GRM0332C1H6R7DA01#	WT	W			±0.1pF	GRM0332C1H8R1BA01#
	UU -	COI	6.8pF	±0.05pF	GRM0332C1H6R8WA01#		<	W		±0.25pF	GRM0332C1H8R1CA01#
			MIL	±0.1pF	GRM0332C1H6R8BA01#	$W_{II}$				±0.5pF	GRM0332C1H8R1DA01#
	. 100	I.C.	TIL	±0.25pF	GRM0332C1H6R8CA01#	TIM		WW	8.2pF	±0.05pF	GRM0332C1H8R2WA01#
	1.70	V.C	OMr.	±0.5pF	GRM0332C1H6R8DA01#	JIM		W		±0.1pF	GRM0332C1H8R2BA01#
	$\sqrt{100}$	7.7	6.9pF	±0.05pF	GRM0332C1H6R9WA01#	OM				±0.25pF	GRM0332C1H8R2CA01#
	VVV.19	101.	Mo	±0.1pF	GRM0332C1H6R9BA01#	COMITY				±0.5pF	GRM0332C1H8R2DA01#
		COOL	COR	±0.25pF	GRM0332C1H6R9CA01#	TIME	N	4	8.3pF	±0.05pF	GRM0332C1H8R3WA01#
		Too	$^{1}$ CO $_{I}$	±0.5pF	GRM0332C1H6R9DA01#	Y.COMP	W		WW	±0.1pF	GRM0332C1H8R3BA01#
		100	7.0pF	±0.05pF	GRM0332C1H7R0WA01#	COM	- 1			±0.25pF	GRM0332C1H8R3CA01#
	MAL	x1 10	OX	±0.1pF	GRM0332C1H7R0BA01#	MODELLE	In			±0.5pF	GRM0332C1H8R3DA01#
		11.5	ONY.C	±0.25pF	GRM0332C1H7R0CA01#	07.CO	WIT		8.4pF	±0.05pF	GRM0332C1H8R4WA01#
		W.	<b>√</b> √1 (	±0.5pF	GRM0332C1H7R0DA01#	- CO	TV	V.	- T	±0.1pF	GRM0332C1H8R4BA01#
		TIN	7.1pF	±0.05pF	GRM0332C1H7R1WA01#	100 F CC	M.r.			±0.25pF	GRM0332C1H8R4CA01#
		M	1007	±0.1pF	GRM0332C1H7R1BA01#	100 y.	$T.V_C$	N.		±0.5pF	GRM0332C1H8R4DA01#
		W	1.2	±0.25pF	GRM0332C1H7R1CA01#	100 Y.C	- N 1	W	8.5pF	±0.05pF	GRM0332C1H8R5WA01#
		-111	M.Ing	±0.5pF	GRM0332C1H7R1DA01#	41.70.	COM.	TVN.	0.001	±0.1pF	GRM0332C1H8R5BA01#
		M	7.2pF	0	GRM0332C1H7R2WA01#	W.100 r.	COM				GRM0332C1H8R5CA01#
		W	7,201	±0.1pF	GRM0332C1H7R2BA01#	1007		$\Lambda$ T		±0.5pF	GRM0332C1H8R5DA01#
		11	M.W.	±0.25pF	GRM0332C1H7R2CA01#	₹N 14.	Y.CO.	-17	8.6pF	±0.05pF	GRM0332C1H8R6WA01#
			TININ	±0.5pF	GRM0332C1H7R2DA01#	MAIN	V.CC	) IATO	0.001	±0.1pF	GRM0332C1H8R6BA01#
			7.3pF	±0.05pF	GRM0332C1H7R3WA01#	Y	0 1.	OM		±0.25pF	
			7.501	4 ((())	GRM0332C1H7R3BA01#	<b>4</b> / // .	00 Y.C			±0.25pf	GRM0332C1H8R6DA01#
			WW	±0.1pF	GRM0332C1H7R3CA01#	- MM M	100Y	$CO_D$	0.7nE	· ·	GRM0332C1H8R7WA01#
			- 1	±0.25pF		- WW		CO	8.7pF	±0.05pF	
			7.4-5	±0.5pF	GRM0332C1H7R3DA01#	- //	1.1007	. (1		±0.1pF	GRM0332C1H8R7BA01#
			7.4pF	±0.05pF	GRM0332C1H7R4WA01#	- WWV	100	1		±0.25pF	GRM0332C1H8R7CA01#
			4	±0.1pF	GRM0332C1H7R4BA01#	- WW	W	01.0	00.5	±0.5pF	GRM0332C1H8R7DA01#
				±0.25pF	GRM0332C1H7R4CA01#	-	VW.10		8.8pF	±0.05pF	GRM0332C1H8R8WA01#
				±0.5pF	GRM0332C1H7R4DA01#	W	WW.	001		±0.1pF	GRM0332C1H8R8BA01#
			7.5pF	±0.05pF	GRM0332C1H7R5WA01#	- 1	1	100		±0.25pF	GRM0332C1H8R8CA01#
				±0.1pF	GRM0332C1H7R5BA01#	1	WW	. 1	A.CC	±0.5pF	GRM0332C1H8R8DA01#
				±0.25pF	GRM0332C1H7R5CA01#	<u>.</u>		1.70	8.9pF	±0.05pF	GRM0332C1H8R9WA01#
			_	±0.5pF	GRM0332C1H7R5DA01#	M	WW	xi1		±0.1pF	GRM0332C1H8R9BA01#
			7.6pF	±0.05pF	GRM0332C1H7R6WA01#	eW.	WW	44.		±0.25pF	GRM0332C1H8R9CA01#
				±0.1pF	GRM0332C1H7R6BA01#	-011	W	MW.	10	±0.5pF	GRM0332C1H8R9DA01#
				±0.25pF	GRM0332C1H7R6CA01#	- I.	14		9.0pF	±0.05pF	GRM0332C1H9R0WA01#
				±0.5pF	GRM0332C1H7R6DA01#	TW				±0.1pF	GRM0332C1H9R0BA01#
			7.7pF	±0.05pF	GRM0332C1H7R7WA01#	- ·				±0.25pF	GRM0332C1H9R0CA01#
				±0.1pF	GRM0332C1H7R7BA01#					±0.5pF	GRM0332C1H9R0DA01#

#### (→ **■** 0.6×0.3mm)

T max.	Rated Voltage	TC Code	Сар.	Tol.	Part Number	
.33mm	50Vdc	СН	9.1pF	±0.05pF	GRM0332C1H9R1WA01#	
			N .	±0.1pF	GRM0332C1H9R1BA01#	
			MM	±0.25pF	GRM0332C1H9R1CA01#	
	TIN		WV	±0.5pF	GRM0332C1H9R1DA01#	
			9.2pF	±0.05pF	GRM0332C1H9R2WA01#	
	T.T.			±0.1pF	GRM0332C1H9R2BA01#	
		N		±0.25pF	GRM0332C1H9R2CA01#	
	Mr. r	XX		±0.5pF	GRM0332C1H9R2DA01#	
	$OM_{i,j}$	N'	9.3pF	±0.05pF	GRM0332C1H9R3WA01#	<b>«</b> 1
	M	$L_M$		±0.1pF	GRM0332C1H9R3BA01#	H.M.
	COR	TV		±0.25pF	GRM0332C1H9R3CA01#	V
	CON		XI	±0.5pF	GRM0332C1H9R3DA01#	
	00	$\Lambda$ . $\Gamma$	9.4pF	±0.05pF	GRM0332C1H9R4WA01#	
	Y.CO		0.101	±0.1pF	GRM0332C1H9R4BA01#	Λ.
	V.C	Diar.	TW	±0.25pF	GRM0332C1H9R4CA01#	. 16
	-7 (	OM	. 1		GRM0332C1H9R4DA01#	
	001.		0.555	±0.5pF	GRM0332C1H9R4DA01#	
	· con Y	$C_{\Omega_7}$	9.5pF	±0.05pF	111111111111111111111111111111111111111	
	700	z CC	Mr	±0.1pF	GRM0332C1H9R5BA01#	4
	1.700		$OM_{T}$	±0.25pF	GRM0332C1H9R5CA01#	_
	-100	N.C		±0.5pF	GRM0332C1H9R5DA01#	
	W.r.	N.	9.6pF	±0.05pF	GRM0332C1H9R6WA01#	Į.
	VW.I	JU -	COM	±0.1pF	GRM0332C1H9R6BA01#	
		100,		±0.25pF	GRM0332C1H9R6CA01#	0)
	Miss.	400	Y.Co.	±0.5pF	GRM0332C1H9R6DA01#	00
	WWW	·To	9.7pF	±0.05pF	GRM0332C1H9R7WA01#	
		N.10	0 2	±0.1pF	GRM0332C1H9R7BA01#	In
	MAN	-x1 1	001.	±0.25pF	GRM0332C1H9R7CA01#	11
	WW	111	. No.	±0.5pF	GRM0332C1H9R7DA01#	
	-31	NW	9.8pF	±0.05pF	GRM0332C1H9R8WA01#	
			$1.700_{3}$	±0.1pF	GRM0332C1H9R8BA01#	
	V	1111	100	±0.25pF	GRM0332C1H9R8CA01#	4
		WW	11.2	±0.5pF	GRM0332C1H9R8DA01#	V
			9.9pF	±0.05pF	GRM0332C1H9R9WA01#	(1)
		W	-33/1	±0.1pF	GRM0332C1H9R9BA01#	
		W	MAI.	±0.25pF	GRM0332C1H9R9CA01#	V
			WW	±0.5pF	GRM0332C1H9R9DA01#	4
			10pF	±2%	GRM0332C1H100GA01#	
			11.41	±5%	GRM0332C1H100JA01#	
			12pF	±2%	GRM0332C1H120GA01#	
			12pi	±5%	GRM0332C1H120JA01#	
			15pF	±2%	GRM0332C1H150GA01#	
			ТЭРГ			
			1005	±5%	GRM0332C1H150JA01#	
			18pF	±2%	GRM0332C1H180GA01#	J
				±5%	GRM0332C1H180JA01#	N .
			22pF	±2%	GRM0332C1H220GA01#	A
				±5%	GRM0332C1H220JA01#	
			27pF	±2%	GRM0332C1H270GA01#	7
				±5%	GRM0332C1H270JA01#	1
			33pF	±2%	GRM0332C1H330GA01#	
				±5%	GRM0332C1H330JA01#	M
			39pF	±2%	GRM0332C1H390GA01#	1
				±5%	GRM0332C1H390JA01#	
			47pF	±2%	GRM0332C1H470GA01#	O
				±5%	GRM0332C1H470JA01#	

T max.	Rated Voltage	TC Code	Cap.	Tol.	Part Number	
0.33mm	50Vdc	СН	56pF	±2%	GRM0332C1H560GA01#	
	)U 1.	ON		±5%	GRM0332C1H560JA01#	
	00,1.		68pF	±2%	GRM0332C1H680GA01#	
	1007	Co		±5%	GRM0332C1H680JA01#	
	.10	J.CC	82pF	±2%	GRM0332C1H820GA01#	
	N.100	-7 C		±5%	GRM0332C1H820JA01#	
	-x 10	11.	100pF	±2%	GRM0332C1H101GA01#	
	1	ooy.		±5%	GRM0332C1H101JA01#	
	MN.	~~~	120pF	±2%	GRM0332C1H121GA01#	
	WIW.	700		±5%	GRM0332C1H121JA01#	
		1.100	150pF	±2%	GRM0332C1H151GA01#	
	MW.	-110		±5%	GRM0332C1H151JA01#	
	WW	W.r.	180pF	±2%	GRM0332C1H181GA01#	
				±5%	GRM0332C1H181JA01#	_
		- TXX	220pF	±2%	GRM0332C1H221GA01#	_
	W	W.		±5%	GRM0332C1H221JA01#	_

#### ■ 1.0×0.5mm

max.	Voltage	Code	Cap.	101.	Part Number	
).55mm	100Vdc	COG	0.10pF	±0.05pF	GRM1555C2AR10WA01#	
	N		0.20pF	±0.05pF	GRM1555C2AR20WA01#	
	W			±0.1pF	GRM1555C2AR20BA01#	
	TIN		0.30pF	±0.05pF	GRM1555C2AR30WA01#	
	1			±0.1pF	GRM1555C2AR30BA01#	
	LTW		0.40pF	±0.05pF	GRM1555C2AR40WA01#	
	VTT	N .		±0.1pF	GRM1555C2AR40BA01#	
	Mr	W	0.50pF	±0.05pF	GRM1555C2AR50WA01#	
	$OM_{ij}$	-31		±0.1pF	GRM1555C2AR50BA01#	ĸĬ
		LA	0.60pF	±0.05pF	GRM1555C2AR60WA01#	-1
	05	TW		±0.1pF	GRM1555C2AR60BA01#	M
	CON		0.70pF	±0.05pF	GRM1555C2AR70WA01#	TV
		1.		±0.1pF	GRM1555C2AR70BA01#	
	Y	M.T	0.80pF	±0.05pF	GRM1555C2AR80WA01#	1.1
	V.C.	- N. N		±0.1pF	GRM1555C2AR80BA01#	1.7
	NV.C	Ohr	0.90pF	±0.05pF	GRM1555C2AR90WA01#	T
		COD		±0.1pF	GRM1555C2AR90BA01#	$DM_1$
l			1.0pF	±0.05pF	GRM1555C2A1R0WA01#	10
ļ				±0.1pF	GRM1555C2A1R0BA01#	-0
		V.C	Jim.	±0.25pF	GRM1555C2A1R0CA01#	CC
	$N_{In}$	×7 (	1.1pF	±0.05pF	GRM1555C2A1R1WA01#	J C
	1XX.10	01.		±0.1pF	GRM1555C2A1R1BA01#	1
	1	001		±0.25pF	GRM1555C2A1R1CA01#	9.
	MM.	. 00	1.2pF	±0.05pF	GRM1555C2A1R2WA01#	M
	WW	Too		±0.1pF	GRM1555C2A1R2BA01#	0 ~
		N.10	11.	±0.25pF	GRM1555C2A1R2CA01#	
	MM	-x1 1	1.3pF	±0.05pF	GRM1555C2A1R3WA01#	
	WW	111.		±0.1pF	GRM1555C2A1R3BA01#	
	- 11	NW.	Ino.	±0.25pF	GRM1555C2A1R3CA01#	
	111		1.4pF	±0.05pF	GRM1555C2A1R4WA01#	
				±0.1pF	GRM1555C2A1R4BA01#	
				±0.25pF	GRM1555C2A1R4CA01#	
			1.5pF	±0.05pF	GRM1555C2A1R5WA01#	

(→ ■ 1	.0×0.5	nm)										
T max.	Rated Voltage	TC Code	Cap.	Tol.	Part Number	MAL	T max.	Rated Voltage	TC Code	Cap.	Tol.	Part Number
0.55mm	100Vdc	COG	1.5pF	±0.1pF	GRM1555C2A1R5BA01#	WIN	0.55mm	100Vdc	COG	3.3pF	±0.1pF	GRM1555C2A3R3BA01#
			- ST	±0.25pF	GRM1555C2A1R5CA01#			-7 (	NO.		±0.25pF	GRM1555C2A3R3CA01#
			1.6pF	±0.05pF	GRM1555C2A1R6WA01#	111		001.	- O	3.4pF	±0.05pF	GRM1555C2A3R4WA01#
	TV			±0.1pF	GRM1555C2A1R6BA01#	1		1001	Co	TI	±0.1pF	GRM1555C2A3R4BA01#
				±0.25pF	GRM1555C2A1R6CA01#			.700	J.CC	)Mr.	±0.25pF	GRM1555C2A3R4CA01#
	LIN		1.7pF	±0.05pF	GRM1555C2A1R7WA01#			N.100	-7 (	3.5pF	±0.05pF	GRM1555C2A3R5WA01#
	TTI	V		±0.1pF	GRM1555C2A1R7BA01#			-x1 10	01.	Mo	±0.1pF	GRM1555C2A3R5BA01#
	Mr	XV.		±0.25pF	GRM1555C2A1R7CA01#			111	OY.	COR	±0.25pF	GRM1555C2A3R5CA01#
	$OM_{i,j}$		1.8pF	±0.05pF	GRM1555C2A1R8WA01#	<b>*</b>		$NN^{-1}$	· ·	3.6pF	±0.05pF	GRM1555C2A3R6WA01#
	MO	$I_M$		±0.1pF	GRM1555C2A1R8BA01#	<del></del>		NW	700	- 00	±0.1pF	GRM1555C2A3R6BA01#
	COn	TV		±0.25pF	GRM1555C2A1R8CA01#	M			100	N.C	±0.25pF	GRM1555C2A3R6CA01#
	CON	L. 12	1.9pF	±0.05pF	GRM1555C2A1R9WA01#	TV		NWV	100	3.7pF	±0.05pF	GRM1555C2A3R7WA01#
	00	V.J.	,p.	±0.1pF	GRM1555C2A1R9BA01#	***			M.77	√-1 (	±0.1pF	GRM1555C2A3R7BA01#
	Y.Co	N 1		±0.25pF	GRM1555C2A1R9CA01#	T.T.		M.	-XXI 1	100  y	±0.25pF	GRM1555C2A3R7CA01#
	V.C	Diar.	2.0pF	±0.05pF	GRM1555C2A2R0WA01#	TW		W	1	3.8pF	±0.05pF	GRM1555C2A3R8WA01#
	-7 (	$O_{N_1}$	2.001	±0.03pi	GRM1555C2A2R0BA01#	<u> </u>		***	WW	5.0pi	±0.03pi	GRM1555C2A3R8BA01#
	001.			±0.25pF	GRM1555C2A2R0CA01#	<u> </u>		- 4		N.100	±0.25pF	GRM1555C2A3R8CA01#
	TOOY.	Co	2.1pF	+ · · ·	1	31.7			N. A.	2 0nE		N. 1. 3.
	700	$_{I}$ .CC	2.1pr	±0.05pF	GRM1555C2A2R1WA01#	ON			WW	3.9pF	±0.05pF	GRM1555C2A3R9WA01#
	V.100	- (1		±0.1pF	GRM1555C2A2R1BA01#	COM.				$MM \cdot T$	±0.1pF	GRM1555C2A3R9BA01#
	100	N.C		±0.25pF	GRM1555C2A2R1CA01#				14		±0.25pF	GRM1555C2A3R9CA01#
	11	N.	2.2pF	±0.05pF	GRM1555C2A2R2WA01#	Y.Co.			V	4.0pF	±0.05pF	GRM1555C2A4R0WA01#
	$M_{17}$	)		±0.1pF	GRM1555C2A2R2BA01#	CO.		N	-		±0.1pF	GRM1555C2A4R0BA01#
	WW.	100,		±0.25pF	GRM1555C2A2R2CA01#	C(					±0.25pF	GRM1555C2A4R0CA01#
	M. A.	100	2.3pF	±0.05pF	GRM1555C2A2R3WA01#	007		111		4.1pF	±0.05pF	GRM1555C2A4R1WA01#
		.1.		±0.1pF	GRM1555C2A2R3BA01#	na V.C		W		WV	±0.1pF	GRM1555C2A4R1BA01#
	-737	N.70	- C	±0.25pF	GRM1555C2A2R3CA01#	100		OW			±0.25pF	GRM1555C2A4R1CA01#
	11111	-xi 1	2.4pF	±0.05pF	GRM1555C2A2R4WA01#	$^{1700}$ r.		T:T	11	4.2pF	±0.05pF	GRM1555C2A4R2WA01#
	W	111.		±0.1pF	GRM1555C2A2R4BA01#	400		TI	N		±0.1pF	GRM1555C2A4R2BA01#
	***	NV	100	±0.25pF	GRM1555C2A2R4CA01#	M.>		The T	N		±0.25pF	GRM1555C2A4R2CA01#
			2.5pF	±0.05pF	GRM1555C2A2R5WA01#	111.10		$O_{M^{**}}$	CVV	4.3pF	±0.05pF	GRM1555C2A4R3WA01#
	V			±0.1pF	GRM1555C2A2R5BA01#	1(		Mo	1		±0.1pF	GRM1555C2A4R3BA01#
	-	NV		±0.25pF	GRM1555C2A2R5CA01#				TV		±0.25pF	GRM1555C2A4R3CA01#
			2.6pF	±0.05pF	GRM1555C2A2R6WA01#	WW.		$CO_{D_{i}}$	- 177	4.4pF	±0.05pF	GRM1555C2A4R4WA01#
		1111		±0.1pF	GRM1555C2A2R6BA01#	Lanv		7 CO	17. 7	- 1	±0.1pF	GRM1555C2A4R4BA01#
		W		±0.25pF	GRM1555C2A2R6CA01#	MAIL		<b>Y</b> . •	M.T		±0.25pF	GRM1555C2A4R4CA01#
			2.7pF	±0.05pF	GRM1555C2A2R7WA01#	WW.		V.C.	7	4.5pF	±0.05pF	GRM1555C2A4R5WA01#
				±0.1pF	GRM1555C2A2R7BA01#	- TV		00 Y.C	$O_{M}$	TIN	±0.1pF	GRM1555C2A4R5BA01#
				±0.25pF	GRM1555C2A2R7CA01#			1	$CO_{\overline{D}}$	1.7	±0.25pF	GRM1555C2A4R5CA01#
			2.8pF	±0.05pF	GRM1555C2A2R8WA01#			1001		4.6pF	±0.05pF	GRM1555C2A4R6WA01#
			W	±0.1pF	GRM1555C2A2R8BA01#	1		1.1007	[.CO		±0.1pF	GRM1555C2A4R6BA01#
				±0.25pF	GRM1555C2A2R8CA01#			1	46.7 N. /	OMr.		GRM1555C2A4R6CA01#
			2.9pF	±0.05pF	GRM1555C2A2R9WA01#			W.100	1.	4.7pF		GRM1555C2A4R7WA01#
			2.00.	±0.1pF	GRM1555C2A2R9BA01#				100	~1/	±0.1pF	GRM1555C2A4R7BA01#
				±0.25pF	GRM1555C2A2R9CA01#	l l		N. 10	00X	$C_{O_{I_2}}$	±0.25pF	GRM1555C2A4R7CA01#
			3.0pF	±0.05pF	GRM1555C2A3R0WA01#	-1		WW.	00.	4.8pF	±0.05pF	- 111
			3.0pi		1003-			1	100	4.001		
				±0.1pF	GRM1555C2A3R0BA01#	CVI		WW	- 400	Y.C.	±0.1pF	GRM1555C2A4R8BA01#
			0.4	±0.25pF	GRM1555C2A3R0CA01#	- XX		WW	V.In	10.5	±0.25pF	GRM1555C2A4R8CA01#
			3.1pF	±0.05pF	GRM1555C2A3R1WA01#	1.11			W.1	4.9pF	±0.05pF	GRM1555C2A4R9WA01#
				±0.1pF	GRM1555C2A3R1BA01#	WFI		WW		100Y.	±0.1pF	GRM1555C2A4R9BA01#
				±0.25pF		W. T.		W	MM.			GRM1555C2A4R9CA01#
			3.2pF	±0.05pF	30111-1	Will		44		5.0pF		GRM1555C2A5R0WA01#
				±0.1pF	GRM1555C2A3R2BA01#	ONIT'					±0.1pF	GRM1555C2A5R0BA01#
				±0.25pF	GRM1555C2A3R2CA01#	On					±0.25pF	GRM1555C2A5R0CA01#
			3.3pF	±0.05pF	GRM1555C2A3R3WA01#					5.1pF	±0.05pF	GRM1555C2A5R1WA01#

GJM Series

GMA Series

GQM Series GMD Series

GR3 Series | GRJ Series

KR3 Series KRM Series

LLL Series | LLA Series

LLM Series

## **GRM Series Temperature Compensating Type** Part Number List

	ted tage	TC Code	Сар.	Tol.	Part Number	W	T max.	Rated Voltage	TC Code	Cap.	Tol.	Part Number
m 100	Vdc	C0G	5.1pF	±0.1pF	GRM1555C2A5R1BA01#		0.55mm	100Vdc	COG	6.4pF	±0.5pF	GRM1555C2A6R4DA01#
				±0.25pF	GRM1555C2A5R1CA01#			00 7.	MO	6.5pF	±0.05pF	GRM1555C2A6R5WA01#
W				±0.5pF	GRM1555C2A5R1DA01#			00X.			±0.1pF	GRM1555C2A6R5BA01#
	N		5.2pF	±0.05pF	GRM1555C2A5R2WA01#			1001	Co		±0.25pF	GRM1555C2A6R5CA01#
1.7				±0.1pF	GRM1555C2A5R2BA01#			Too	J CC		±0.5pF	GRM1555C2A6R5DA01#
1.7				±0.25pF	GRM1555C2A5R2CA01#			N.100	7.	6.6pF	±0.05pF	GRM1555C2A6R6WA01#
) 11-	TI			±0.5pF	GRM1555C2A5R2DA01#			W.10	01.		±0.1pF	GRM1555C2A6R6BA01#
$O_{M}$		N	5.3pF	±0.05pF	GRM1555C2A5R3WA01#			11.1	NO.		±0.25pF	GRM1555C2A6R6CA01#
	1.7	1		±0.1pF	GRM1555C2A5R3BA01#	×1		NW.1	00 -		±0.5pF	GRM1555C2A6R6DA01#
00-	7	CM		±0.25pF	GRM1555C2A5R3CA01#	<del></del>		TXN.	700,	6.7pF	±0.05pF	GRM1555C2A6R7WA01#
CO	M			±0.5pF	GRM1555C2A5R3DA01#	W		WW	- 100	0.751	±0.1pF	GRM1555C2A6R7BA01#
	ON		E 15F		CAN-TO COM-			TWV	1.70		-	- X1
1.0		1.T	5.4pF	±0.05pF	GRM1555C2A5R4WA01#			- T	W.19		±0.25pF	GRM1555C2A6R7CA01#
OY.C				±0.1pF	GRM1555C2A5R4BA01#	1		MM		007.	±0.5pF	GRM1555C2A6R7DA01#
×7	CO	M.		±0.25pF	GRM1555C2A5R4CA01#	13.0		W	M.	6.8pF	±0.05pF	GRM1555C2A6R8WA01#
002		M	1.11	±0.5pF	GRM1555C2A5R4DA01#	M		-1	WVD		±0.1pF	GRM1555C2A6R8BA01#
100	Y.V		5.5pF	±0.05pF	GRM1555C2A5R5WA01#	L-A		1N			±0.25pF	GRM1555C2A6R8CA01#
. 1	(	$CO_{\tilde{I}}$		±0.1pF	GRM1555C2A5R5BA01#	Oh.				- 10(	±0.5pF	GRM1555C2A6R8DA01#
V.10	U ×	cO		±0.25pF	GRM1555C2A5R5CA01#	102				6.9pF	±0.05pF	GRM1555C2A6R9WA01#
-111	001		Time	±0.5pF	GRM1555C2A5R5DA01#						±0.1pF	GRM1555C2A6R9BA01#
11	. 00	V.C	5.6pF	±0.05pF	GRM1555C2A5R6WA01#				W		±0.25pF	GRM1555C2A6R9CA01#
NW.	In	~1		±0.1pF	GRM1555C2A5R6BA01#	JC					±0.5pF	GRM1555C2A6R9DA01#
	1.10	07.		±0.25pF	GRM1555C2A5R6CA01#	(		-sT		7.0pF	±0.05pF	GRM1555C2A7R0WA01#
		007		±0.5pF	GRM1555C2A5R6DA01#	01.		N.			±0.1pF	GRM1555C2A7R0BA01#
W	W.	_	5.7pF	±0.05pF	GRM1555C2A5R7WA01#	OON		W			±0.25pF	GRM1555C2A7R0CA01#
	W	A 100		±0.1pF	GRM1555C2A5R7BA01#	-		TW			±0.5pF	GRM1555C2A7R0DA01#
				±0.25pF	GRM1555C2A5R7CA01#	700		JA		7.1pF	±0.05pF	GRM1555C2A7R1WA01#
W	MA			±0.5pF	GRM1555C2A5R7DA01#	- 10		TW		W	±0.1pF	GRM1555C2A7R1BA01#
	AT VA	11.1	5.8pF	±0.05pF	GRM1555C2A5R8WA01#	1-70		TV	Į.		±0.25pF	GRM1555C2A7R1CA01#
	N	TIN	700.7.	±0.1pF	GRM1555C2A5R8BA01#	W.		M.r.	-s1		±0.5pF	GRM1555C2A7R1DA01#
	W	N		±0.25pF	GRM1555C2A5R8CA01#			T.MC	N	7.2pF	±0.05pF	GRM1555C2A7R2WA01#
	×10	W		±0.5pF	GRM1555C2A5R8DA01#	1		- T	M	7.2ρι	±0.1pF	GRM1555C2A7R2BA01#
		- TXX	E OpE		N	W		OM.	- NA			GRM1555C2A7R2CA01#
		M.	5.9pF	±0.05pF	GRM1555C2A5R9WA01#			COM	T. A.		±0.25pF	
		W		±0.1pF	GRM1555C2A5R9BA01#	VI			TI	70 -	±0.5pF	GRM1555C2A7R2DA01#
				±0.25pF	GRM1555C2A5R9CA01#	NIX.		$^{A}$ . $^{C}O_{i}$	, T	7.3pF	±0.05pF	GRM1555C2A7R3WA01#
			- XIXI	±0.5pF	GRM1555C2A5R9DA01#	l an		-1 CC	$M_{-1}$		±0.1pF	GRM1555C2A7R3BA01#
		1	6.0pF	±0.05pF	GRM1555C2A6R0WA01#	11		01.0	Mo		±0.25pF	GRM1555C2A7R3CA01#
				±0.1pF	GRM1555C2A6R0BA01#			ooy.C	Or	W	±0.5pF	GRM1555C2A7R3DA01#
				±0.25pF	GRM1555C2A6R0CA01#				$CO_D$	7.4pF	±0.05pF	GRM1555C2A7R4WA01#
			M.	±0.5pF	GRM1555C2A6R0DA01#			100 X	_c0		±0.1pF	GRM1555C2A7R4BA01#
			6.1pF	±0.05pF	GRM1555C2A6R1WA01#			1,1007			±0.25pF	GRM1555C2A7R4CA01#
				±0.1pF	GRM1555C2A6R1BA01#			1.20	v.C		±0.5pF	GRM1555C2A7R4DA01#
				±0.25pF	GRM1555C2A6R1CA01#			W.100	-7 (	7.5pF	±0.05pF	GRM1555C2A7R5WA01#
				±0.5pF	GRM1555C2A6R1DA01#			-XX 10	0,7.		±0.1pF	GRM1555C2A7R5BA01#
			6.2pF	±0.05pF	GRM1555C2A6R2WA01#	N		111.	OOY		±0.25pF	GRM1555C2A7R5CA01#
				±0.1pF	GRM1555C2A6R2BA01#	«XI		WW.	100		±0.5pF	GRM1555C2A7R5DA01#
				±0.25pF	GRM1555C2A6R2CA01#			UWW	100	7.6pF	±0.05pF	GRM1555C2A7R6WA01#
				±0.5pF	GRM1555C2A6R2DA01#	CVV		M	c1 10	J. Co	±0.1pF	GRM1555C2A7R6BA01#
		}	6.3pF	±0.05pF	GRM1555C2A6R3WA01#			WW	1.10		±0.25pF	GRM1555C2A7R6CA01#
			υ.υμΓ		31 100			Y	W.1		40/47	
				±0.1pF	GRM1555C2A6R3BA01#	T		WW	_ 1	77	±0.5pF	GRM1555C2A7R6DA01#
				±0.25pF	GRM1555C2A6R3CA01#	100		W	N.M.	▶7.7pF	±0.05pF	GRM1555C2A7R7WA01#
				±0.5pF	GRM1555C2A6R3DA01#	M.					±0.1pF	GRM1555C2A7R7BA01#
			6.4pF	±0.05pF	GRM1555C2A6R4WA01#						±0.25pF	GRM1555C2A7R7CA01#
				±0.1pF	GRM1555C2A6R4BA01#	O <sub>2</sub>					±0.5pF	GRM1555C2A7R7DA01#
1				±0.25pF	GRM1555C2A6R4CA01#					7.8pF	±0.05pF	GRM1555C2A7R8WA01#

T max.	Rated Voltage	TC Code	Сар.	Tol.	Part Number	T max.	Rated Voltage	TC Code	Cap.	Tol.
0.55mm	100Vdc	COG	7.8pF	±0.1pF	GRM1555C2A7R8BA01#	0.55mn	100Vdc	COG	9.1pF	±0.5pl
			NN '	±0.25pF	GRM1555C2A7R8CA01#	L.W.X	00 =	NO.	9.2pF	±0.05p
	N		MM	±0.5pF	GRM1555C2A7R8DA01#	N W	1007.			±0.1pl
			7.9pF	±0.05pF	GRM1555C2A7R9WA01#		100%	CO		±0.25p
				±0.1pF	GRM1555C2A7R9BA01#	- WVV	1.700	J.CC		±0.5pl
	LIN			±0.25pF	GRM1555C2A7R9CA01#		W.100	-7 C	9.3pF	±0.05p
		V		±0.5pF	GRM1555C2A7R9DA01#		-xi 10	01.		±0.1pl
	Mr.	W	8.0pF	±0.05pF	GRM1555C2A8R0WA01#	W	1	ooy.		±0.25p
	$O_{M',J}$			±0.1pF	GRM1555C2A8R0BA01#	N X	WW.	0		±0.5pl
		IN		±0.25pF	GRM1555C2A8R0CA01#	· //	WIX	700;	9.4pF	±0.05p
	CON			±0.5pF	GRM1555C2A8R0DA01#	W		100		±0.1pl
			8.1pF	±0.05pF	GRM1555C2A8R1WA01#	TW	WWW	1100		±0.25p
		$M_{*,T}$	-1	±0.1pF	GRM1555C2A8R1BA01#	<del></del>	- TIN	11.77		±0.5pl
	1.00	M	W	±0.25pF	GRM1555C2A8R1CA01#	T.T.	111	TV.	9.5pF	±0.05p
	V.C	)	TW	±0.5pF	GRM1555C2A8R1DA01#	WIT	W		1007	±0.1pl
		$O_{J_{1}J_{2}}$	8.2pF	±0.05pF	GRM1555C2A8R2WA01#	TW	N/N	MAN		±0.25p
	00.7.	000	1.7.4	±0.1pF	GRM1555C2A8R2BA01#	OM. T		TVI		±0.5pl
			VIIV	±0.25pF	GRM1555C2A8R2CA01#	T.Mo.			9.6pF	±0.05p
	. 007	Z.CU	T. T.	±0.5pF	GRM1555C2A8R2DA01#	WTW		MN	×1.1	±0.1pl
	1.100	<1 C	8.3pF	±0.05pF	GRM1555C2A8R3WA01#	COM.				±0.25p
	W.100	) 1.	M.	±0.1pF	GRM1555C2A8R3BA01#	COM.1				±0.5pl
		OY.		±0.25pF	GRM1555C2A8R3CA01#	T. OM.T.			9.7pF	±0.05p
	1111-	001	$C_{O_{D_{2}}}$	±0.5pF	GRM1555C2A8R3DA01#	M.Com	W	4	0.7 pi	±0.1pl
			8.4pF	±0.05pF		COM	N			±0.25p
		100	0.101	±0.1pF	GRM1555C2A8R4BA01#	OM.				±0.5pl
		-110	O.Y.C.	±0.25pF	GRM1555C2A8R4CA01#	100 Y.	TW		9.8pF	±0.05p
		N.r.	on V.C	±0.5pF	GRM1555C2A8R4DA01#	TOOY.CO	WIT		J.0p1	±0.1pl
		$\sqrt{1}$	8.5pF	±0.05pF	GRM1555C2A8R5WA01#	170 CO		(I		±0.25p
		TXN	0.5pi	±0.05pi	GRM1555C2A8R5BA01#	<del>V/1</del> 00 r.	M.T.	1		±0.5pl
		M. A.	1005	±0.25pF		1007.0	T.M.	M	9.9pF	±0.05p
			N. 7	±0.5pF	GRM1555C2A8R5DA01#	AM. CONT.C	Or.	W	0.0pi	±0.1pl
			8.6pF	±0.05pF	N1	WALL TO	$CO_{Mr}$			±0.25p
		M	0.0pi	±0.03pi	GRM1555C2A8R6BA01#		CON			±0.5pl
		W	1	±0.25pF		100		T.I	10pF	±2%
		1	MM.	±0.5pF	GRM1555C2A8R6DA01#	MAN OU	N.CU	- 1	ТОРІ	±5%
			8.7pF	±0.05pF	CONTRACT	- WW.Io.	V.C	1	12pF	±2%
			0.7pi	1 1 1 1 1 1 1		-N. 10	0 7.	OM		
			WW	±0.1pF	GRM1555C2A8R7BA01#		001.C		45.F	±5%
			TO VI	±0.25pF	V C TIN	— WWW.	100Y	$CO_D$	15pF	±2%
			0.0-5	±0.5pF	GRM1555C2A8R7DA01#	— WWW		CO	10-5	±5%
			8.8pF	±0.05pF	DO ONTO		N.100	- 01	18pF	±2%
			V	±0.1pF	GRM1555C2A8R8BA01#	<i>N</i> ///	1 100	N.C	00 F	±5%
				±0.25pF		- WY	W	OY.	22pF	±2%
				±0.5pF	GRM1555C2A8R8DA01#			-7	CON	±5%
			8.9pF	±0.05pF	X 100 - ANA.	W.	TXN.	001	27pF	±2%
				±0.1pF	GRM1555C2A8R9BA01#	VI V	M. A.	100	1.00	±5%
				±0.25pF		<del>call</del>	UWW		33pF	±2%
				±0.5pF	GRM1555C2A8R9DA01#	7 1	LINI	1.70	w -	±5%
			9.0pF	±0.05pF	-31 100 ON	TW	M. A.	W.1	39pF	±2%
				±0.1pF	GRM1555C2A9R0BA01#	W	WW		NON!	±5%
				±0.25pF	OIN TO THE	NI.	W	MW.	47pF	±2%
				±0.5pF	GRM1555C2A9R0DA01#	Mil	1			±5%
			9.1pF	±0.05pF	GRM1555C2A9R1WA01#	TI			56pF	±2%
				±0.1pF	GRM1555C2A9R1BA01#	<u>Or</u>				±5%
				±0.25pF	GRM1555C2A9R1CA01#				68pF	±2%

9	TC Code	Сар.	Tol.	Part Number	
2	COG	9.1pF	±0.5pF	GRM1555C2A9R1DA01#	
	ON	9.2pF	±0.05pF	GRM1555C2A9R2WA01#	
			±0.1pF	GRM1555C2A9R2BA01#	
			±0.25pF	GRM1555C2A9R2CA01#	
\ \	V.C	) IA T	±0.5pF	GRM1555C2A9R2DA01#	
	-7 C	9.3pF	±0.05pF	GRM1555C2A9R3WA01#	
)	01.		±0.1pF	GRM1555C2A9R3BA01#	
ĺ	001		±0.25pF	GRM1555C2A9R3CA01#	
	. 003	COR	±0.5pF	GRM1555C2A9R3DA01#	
	Too	9.4pF	±0.05pF	GRM1555C2A9R4WA01#	
J	1.700		±0.1pF	GRM1555C2A9R4BA01#	
Ì	x 10		±0.25pF	GRM1555C2A9R4CA01#	
	1	agy.C	±0.5pF	GRM1555C2A9R4DA01#	
V	M.	9.5pF	±0.05pF	GRM1555C2A9R5WA01#	
			±0.1pF	GRM1555C2A9R5BA01#	
	N.		±0.25pF	GRM1555C2A9R5CA01#	
<		100	±0.5pF	GRM1555C2A9R5DA01#	
		9.6pF	±0.05pF	GRM1555C2A9R6WA01#	
	N.		±0.1pF	GRM1555C2A9R6BA01#	
	11		±0.25pF	GRM1555C2A9R6CA01#	
	1		±0.5pF	GRM1555C2A9R6DA01#	
		9.7pF	±0.05pF	GRM1555C2A9R7WA01#	
			±0.1pF	GRM1555C2A9R7BA01#	
			±0.25pF	GRM1555C2A9R7CA01#	
		WW	±0.5pF	GRM1555C2A9R7DA01#	
		9.8pF	±0.05pF	GRM1555C2A9R8WA01#	
	ī		±0.1pF	GRM1555C2A9R8BA01#	
V	N		±0.25pF	GRM1555C2A9R8CA01#	
ĺ	N	4	±0.5pF	GRM1555C2A9R8DA01#	
		9.9pF	±0.05pF	GRM1555C2A9R9WA01#	X.
			±0.1pF	GRM1555C2A9R9BA01#	ANT.
N			±0.25pF	GRM1555C2A9R9CA01#	. "
	T	N	±0.5pF	GRM1555C2A9R9DA01#	TW
) \	17.	10pF	±2%	GRM1555C2A100GA01#	A
Ċ	M·,	- ' 	±5%	GRM1555C2A100JA01#	10.2
	Mo	12pF	±2%	GRM1555C2A120GA01#	M.'
	0.	WIT	±5%	GRM1555C2A120JA01#	NA.
	$C_{\mathbf{O}_{R}}$	15pF	±2%	GRM1555C2A150GA01#	مرال
	CO	M. 7	±5%	GRM1555C2A150JA01#	
)		18pF	±2%	GRM1555C2A180GA01#	70
0	Y.C	20.5	±5%	GRM1555C2A180JA01#	
0	ov.	22pF	±2%	GRM1555C2A220GA01#	1.C
V	×1	COM	±5%	GRM1555C2A220JA01#	V.
1	$00_J$	27pF	±2%	GRM1555C2A270GA01#	J F 7
	100	00.5	±5%	GRM1555C2A270JA01#	907
		33pF	±2%	GRM1555C2A330GA01#	
1	1.70	00.5	±5%	GRM1555C2A330JA01#	
61	W.1	39pF	±2%	GRM1555C2A390GA01#	
١	- KT	1001/	±5%	GRM1555C2A390JA01#	
1	MM.	47pF	±2%	GRM1555C2A470GA01#	
		F0:- F	±5%	GRM1555C2A470JA01#	
		56pF	±2%	GRM1555C2A560GA01#	
		60nE	±5%	GRM1555C2A560JA01# GRM1555C2A680GA01#	
_		68pF	±2%		00%-
		rantnur	innei # iliaid	ates the package specification	code.

GJM Series

**GMA** Series

## **GRM Series Temperature Compensating Type** Part Number List

T max.	Rated Voltage	TC Code	Сар.	Tol.	Part Number	T max.	Rated Voltage	TC Code	C
0.55mm	100Vdc	COG	68pF	±5%	GRM1555C2A680JA01#	0.55m	m 100Vdc	СК	2
			82pF	±2%	GRM1555C2A820GA01#		100 -	CJ	2
	W		MM	±5%	GRM1555C2A820JA01#	_// //	1007.	001	M.
	TW		100pF	±2%	GRM1555C2A101GA01#		1007	CO	-0.1
	. 1		-31	±5%	GRM1555C2A101JA01#		W.To	V.C	2
	LIV	CK	0.10pF	±0.05pF	GRM1554C2AR10WA01#		N.100	-7 (	0
	TI	N	0.20pF	±0.05pF	GRM1554C2AR20WA01#		XX 10	21.	
	Mr.	W		±0.1pF	GRM1554C2AR20BA01#	- W	11 11	OY.	2
	$O_{M^{*}}$	- 1	0.30pF	±0.05pF	GRM1554C2AR30WA01#	_			7.0
	Mo	In		±0.1pF	GRM1554C2AR30BA01#	-	WIKE	700	- 7
		TV	0.40pF	±0.05pF	GRM1554C2AR40WA01#	<u> </u>		1100	2
	$CO_{\tilde{M}}$		N	±0.1pF	GRM1554C2AR40BA01#	V	WWW	-110	0
	- CO	$M_{I,I}$	0.50pF	±0.05pF	GRM1554C2AR50WA01#		WIX	11.77	
	<b>Y</b> . •	M	5.11	±0.1pF	GRM1554C2AR50BA01#	L		W.1	2
	OY.C	7 × 1	0.60pF	±0.05pF	GRM1554C2AR60WA01#				10
	. N.C	$O_{N_1}$	TW	±0.1pF	GRM1554C2AR60BA01#	TW	W	WAL	
	00 1	CO	0.70pF	±0.05pF	GRM1554C2AR70WA01#	Mr. r			2
	100%		MIN	±0.1pF	GRM1554C2AR70BA01#	$M_{I,I,I}$			V
	100	I.C.	0.80pF	±0.05pF	GRM1554C2AR80WA01#	WI.IV		M.A.	
	1.700	V C	$O_{Mr}$	±0.1pF	GRM1554C2AR80BA01#	OM TAN		W	2
	$\sqrt{100}$	)	0.90pF	±0.05pF	GRM1554C2AR90WA01#	$CO_{M^{-1}}$	*		V
	-x1 1(	10 X .	. oM	±0.1pF	GRM1554C2AR90BA01#	COMI	N'		
	1111	007	1.0pF	±0.05pF	GRM1554C2A1R0WA01#	HUU		4	2
	WW.	Too	A COL	±0.1pF	GRM1554C2A1R0BA01#	Y.COM.	TW		V
		:70a		±0.25pF	GRM1554C2A1R0CA01#	T COM			
	MAIN.	x1 10	1.1pF	±0.05pF	GRM1554C2A1R1WA01#		13.11		2
	WW	W	O.Y.C	±0.1pF	GRM1554C2A1R1BA01#	ON.CO.	WILL		_
		$M_{ij}$	- V	±0.25pF	GRM1554C2A1R1CA01#	E CO	The Late	V.	
	10.	T V	1.2pF	±0.05pF	201	-100 ×	$0_{M^{*}r}$	ON I	3
	W	M.	1 1007	±0.1pF	GRM1554C2A1R2BA01#	$\frac{1}{100}$	T.MO.	N.	
	V		100	±0.25pF	GRM1554C2A1R2CA01#	100X.			
		a W	1.3pF	±0.05pF	GRM1554C2A1R3WA01#	AN. I	COM		3
		MA.	JVV.10	±0.1pF	GRM1554C2A1R3BA01#	M.100	CON		×1
		W	-311	±0.25pF		100 ×		$V_{J,J}$	N.
		W	1.4pF	±0.05pF		₹N 11	N.Co	117	3
			WW	±0.1pF	GRM1554C2A1R4BA01#	MAN	V.C	) NA	
			- 1	100	GRM1554C2A1R4CA01#	<u>.</u>	UD - ~≤7 (	$O_{\overline{M}T}$	. 1
			1.5pF		GRM1554C2A1R5WA01#	→N ''	700 x.	100	3
			WW	±0.1pF	31.0	- MM	100X		· A
			***		GRM1554C2A1R5CA01#	- WWV	1007	į.CO	ZAR
			1.6pF	-311	GRM1554C2A1R6WA01#	= '\	11.700	57 C	3
			1	±0.1pF	1003-	- // '	J. 10	1	
			4	±0.25pF		- 111	110	01.	
			1.7pF	- 1	GRM1554C2A1R7WA01#		MM.	M	3
				±0.1pF	GRM1554C2A1R7BA01#	_	TWW.	100	J (
				40.41	GRM1554C2A1R7CA01#	_ `	N Y	100	7.0
			1.8pF	-31	GRM1554C2A1R8WA01#	N	MAN A.	KI 10	3
				±0.1pF		<u> </u>	WW	1.2	on'
				±0.25pF	31100	<u></u>	TAN	W.7	UU
			1.9pF	±0.05pF	W	TW.	M. A.	LIXI	3
			1.3μι	±0.05pF	GRM1554C2A1R9BA01#	W	W	N. J.	
				±0.1pr	-3111-1	T.			
			2.0pF	±0.25pF	31100	$\mu_{U_{I_{A_{A_{A_{A_{A_{A_{A_{A_{A_{A_{A_{A_{A_$			3
			2.0μι		W Anna	_			
				±0.1pF	GRM1554C2A2R0BA01#				

TC Code	Cap.	Tol.	Part Number	
CK	2.0pF	±0.25pF	GRM1554C2A2R0CA01#	
CJ	2.1pF	±0.05pF	GRM1553C2A2R1WA01#	
001		±0.1pF	GRM1553C2A2R1BA01#	
	TI	±0.25pF	GRM1553C2A2R1CA01#	
LC4	2.2pF	±0.05pF	GRM1553C2A2R2WA01#	
<7 C		±0.1pF	GRM1553C2A2R2BA01#	
17.	Mos	±0.25pF	GRM1553C2A2R2CA01#	
101	2.3pF	±0.05pF	GRM1553C2A2R3WA01#	
003		±0.1pF	GRM1553C2A2R3BA01#	
Too	J CO	±0.25pF	GRM1553C2A2R3CA01#	
700	2.4pF	±0.05pF	GRM1553C2A2R4WA01#	
x1 10		±0.1pF	GRM1553C2A2R4BA01#	
14	any.C	±0.25pF	GRM1553C2A2R4CA01#	
W.	2.5pF	±0.05pF	GRM1553C2A2R5WA01#	
*TVN		±0.1pF	GRM1553C2A2R5BA01#	
M.	100	±0.25pF	GRM1553C2A2R5CA01#	
	2.6pF	±0.05pF	GRM1553C2A2R6WA01#	
TV.		±0.1pF	GRM1553C2A2R6BA01#	
A4 .	-W.1	±0.25pF	GRM1553C2A2R6CA01#	
M)	2.7pF	±0.05pF	GRM1553C2A2R7WA01#	
V		±0.1pF	GRM1553C2A2R7BA01#	
		±0.25pF	GRM1553C2A2R7CA01#	
	2.8pF	±0.05pF	GRM1553C2A2R8WA01#	
		±0.1pF	GRM1553C2A2R8BA01#	
ļ	WV	±0.25pF	GRM1553C2A2R8CA01#	
	2.9pF	±0.05pF	GRM1553C2A2R9WA01#	
,		±0.1pF	GRM1553C2A2R9BA01#	
	V	±0.25pF	GRM1553C2A2R9CA01#	
N	3.0pF	±0.05pF	GRM1553C2A3R0WA01#	
		±0.1pF	GRM1553C2A3R0BA01#	N
		±0.25pF	GRM1553C2A3R0CA01#	
IN	3.1pF	±0.05pF	GRM1553C2A3R1WA01#	. // //
T		±0.1pF	GRM1553C2A3R1BA01#	TV
1	<b>A</b>	±0.25pF	GRM1553C2A3R1CA01#	
M	3.2pF	±0.05pF	GRM1553C2A3R2WA01#	7. 7
M		±0.1pF	GRM1553C2A3R2BA01#	M.
O.S.	W	±0.25pF	GRM1553C2A3R2CA01#	
	3.3pF	±0.05pF	GRM1553C2A3R3WA01#	) N
c0		±0.1pF	GRM1553C2A3R3BA01#	
	MI	±0.25pF	GRM1553C2A3R3CA01#	~
Y.C	3.4pF	±0.05pF	GRM1553C2A3R4WA01#	
V.C		±0.1pF	GRM1553C2A3R4BA01#	<u>1.C</u>
J 27	coN	±0.25pF	GRM1553C2A3R4CA01#	
001	3.5pF	±0.05pF	GRM1553C2A3R5WA01#	9 7.
100		±0.1pF	GRM1553C2A3R5BA01#	000
70	1.CO	±0.25pF	GRM1553C2A3R5CA01#	
1.10	3.6pF	±0.05pF	GRM1553C2A3R6WA01#	
x 1		±0.1pF	GRM1553C2A3R6BA01#	
440	Non!	±0.25pF	GRM1553C2A3R6CA01#	
W.	3.7pF	±0.05pF	GRM1553C2A3R7WA01#	
		±0.1pF	GRM1553C2A3R7BA01#	
		±0.25pF	GRM1553C2A3R7CA01#	
	3.8pF	±0.05pF	GRM1553C2A3R8WA01#	
		±0.1pF	GRM1553C2A3R8BA01#	
	Dort ro	mbor # india	aton the package energification	anda

T max.	Rated Voltage	TC Code	Сар.	Tol.	Part Number	T max	Rated Voltage	TC Code
).55mm	100Vdc	CJ	3.8pF	±0.25pF	GRM1553C2A3R8CA01#	0.55m	m 100Vdc	СН
			3.9pF	±0.05pF	GRM1553C2A3R9WA01#	WW.	100	O
				±0.1pF	GRM1553C2A3R9BA01#	N V	17007.	Lan
	TW		W	±0.25pF	GRM1553C2A3R9CA01#	MAN A	1007	
	. 1	СН	4.0pF	±0.05pF	GRM1552C2A4R0WA01#	WW	W. 1	V.C
	$V_{IJ}$	. 1		±0.1pF	GRM1552C2A4R0BA01#		141.700	1
	M.T.	N		±0.25pF	GRM1552C2A4R0CA01#		W.10	07.
	- ( )	W	4.1pF	±0.05pF	GRM1552C2A4R1WA01#	W.	VI - XI 1	001
	$O_{Mr}$ .	CVV		±0.1pF	GRM1552C2A4R1BA01#	N Y	MM.	آهم آ
	·OM.	7	1	±0.25pF	GRM1552C2A4R1CA01#		WW	700
			4.2pF	±0.05pF	GRM1552C2A4R2WA01#		NI TOTAL	1.10
	Con			±0.1pF	GRM1552C2A4R2BA01#	TW	MAN	X 1
	V.CO	NT.		±0.25pF	GRM1552C2A4R2CA01#	W	WW	111
	-1 C(	M.	4.3pF	±0.05pF	GRM1552C2A4R3WA01#	1. 2	- 1	WW
	01.0	M		±0.1pF	GRM1552C2A4R3BA01#	W.T.		
	ooy.C	O.	W	±0.25pF	GRM1552C2A4R3CA01#	TW	V	
		$CO_{\tilde{I}}$	4.4pF	±0.05pF	GRM1552C2A4R4WA01#	ON	4	WW
	700 -	, c0		±0.1pF	GRM1552C2A4R4BA01#	OM		
	100		TIME	±0.25pF	GRM1552C2A4R4CA01#	LOW!	7	
	100	N.C	4.5pF	±0.05pF	GRM1552C2A4R5WA01#	.Com.TV	N	1
	W.r.			±0.1pF	GRM1552C2A4R5BA01#	(CON)	N	1
	JW.1	)U x -	coM	±0.25pF	GRM1552C2A4R5CA01#	$CO_{M}$		
		100,	4.6pF	±0.05pF	GRM1552C2A4R6WA01#	OM.	7 1	
	M. M.	100		±0.1pF	GRM1552C2A4R6BA01#	007	TW	
		.70	N.CC	±0.25pF	GRM1552C2A4R6CA01#	Y.CO	WTD	
		N.70	4.7pF	±0.05pF	GRM1552C2A4R7WA01#	CO)	TW	
	M.	-N.1		±0.1pF	GRM1552C2A4R7BA01#	1100 2 00	$y_{T:T}$	
	W		TOOT.	±0.25pF	GRM1552C2A4R7CA01#	W 100Y.	OM.T)	1
	W	MW	4.8pF	±0.05pF		1007.C	7 1	W
		W		±0.1pF	GRM1552C2A4R8BA01#	W. Down	$CO_{Nr}$	W
			<del>vi 100</del>	±0.25pF	GRM1552C2A4R8CA01#	V.100 -	COM	
	4		4.9pF	±0.05pF		100	ON	T
		W		±0.1pF	GRM1552C2A4R9BA01#	100	Y.Co.	CIL
					GRM1552C2A4R9CA01#	WWW.	ov.CO	1
			5.0pF	70.	GRM1552C2A5R0WA01#	W.10	37 C	DIV.
		1		±0.1pF	GRM1552C2A5R0BA01#	<u></u>	001.	ON
			WW	400	GRM1552C2A5R0CA01#	NW.	100 Y.C	
			5.1pF		GRM1552C2A5R1WA01#	WWW	100Y	CO
				±0.1pF	GRM1552C2A5R1BA01#		N'TOO	C.C
				±0.25pF	DO VIVE		W.100	V (
			50.F	±0.5pF	GRM1552C2A5R1DA01#	- WW	100	11.0
			5.2pF	TAN Y	GRM1552C2A5R2WA01#		NN.	W.
				±0.1pF	GRM1552C2A5R2BA01#		WW.I	
					GRM1552C2A5R2CA01#		Jaiw.	100
			E 2nE	±0.5pF	GRM1552C2A5R2DA01#	<u> </u>	M.A.	100
			5.3pF	±0.05pF		CVI	WWW	1.46
				±0.1pF	GRM1552C2A5R3BA01#	-XX	WW	11.7.
				±0.25pF	31 100	7.71	N	W.
			5 4× F	±0.5pF	GRM1552C2A5R3DA01#	N.F.W	MA	L.
			5.4pF	-	GRM1552C2A5R4WA01#	TW	W	W.A.
				±0.1pF	GRM1552C2A5R4BA01#	W.		
				±0.25pF ±0.5pF	GRM1552C2A5R4CA01# GRM1552C2A5R4DA01#	041.7		

T max.	Rated Voltage	TC Code	Сар.	Tol.	Part Number	
0.55mm	100Vdc	СН	5.5pF	±0.1pF	GRM1552C2A5R5BA01#	
	JU 2	ON		±0.25pF	GRM1552C2A5R5CA01#	
	001.			±0.5pF	GRM1552C2A5R5DA01#	
	1007	CO	5.6pF	±0.05pF	GRM1552C2A5R6WA01#	
	.700	J C		±0.1pF	GRM1552C2A5R6BA01#	
	N.100			±0.25pF	GRM1552C2A5R6CA01#	
	-110	01.0		±0.5pF	GRM1552C2A5R6DA01#	
	111	MY.	5.7pF	±0.05pF	GRM1552C2A5R7WA01#	
	NW.			±0.1pF	GRM1552C2A5R7BA01#	
	- TIN	700		±0.25pF	GRM1552C2A5R7CA01#	
		100		±0.5pF	GRM1552C2A5R7DA01#	
	NWN	No.2	5.8pF	±0.05pF	GRM1552C2A5R8WA01#	
	TIN	11.77	×7 (	±0.1pF	GRM1552C2A5R8BA01#	
	14	- N 1		±0.25pF	GRM1552C2A5R8CA01#	
	W			±0.5pF	GRM1552C2A5R8DA01#	
	XX.		5.9pF	±0.05pF	GRM1552C2A5R9WA01#	
			0.001	±0.1pF	GRM1552C2A5R9BA01#	
N VY. VY.N		N. A.		±0.25pF	GRM1552C2A5R9CA01#	
		WW			GRM1552C2A5R9DA01#	
		***	6 OpE	±0.5pF	GRM1552C2A6R0WA01#	
			6.0pF	±0.05pF		
		V		±0.1pF	GRM1552C2A6R0BA01#	
	N	-		±0.25pF	GRM1552C2A6R0CA01#	
	· - 1		2110	±0.5pF	GRM1552C2A6R0DA01#	
			6.1pF	±0.05pF	GRM1552C2A6R1WA01#	
	WT			±0.1pF	GRM1552C2A6R1BA01#	
	-CV			±0.25pF	GRM1552C2A6R1CA01#	
	7. 7	l T		±0.5pF	GRM1552C2A6R1DA01#	
	W.T.Y	N	6.2pF	±0.05pF	GRM1552C2A6R2WA01#	
	TIL	W		±0.1pF	GRM1552C2A6R2BA01#	
	OMr.			±0.25pF	GRM1552C2A6R2CA01#	Ñ.
	OM			±0.5pF	GRM1552C2A6R2DA01#	
		TW	6.3pF	±0.05pF	GRM1552C2A6R3WA01#	
	COR	1		±0.1pF	GRM1552C2A6R3BA01#	T
		Mr		±0.25pF	GRM1552C2A6R3CA01#	
	1.0	M		±0.5pF	GRM1552C2A6R3DA01#	١.
	O.Y.C.		6.4pF	±0.05pF	GRM1552C2A6R4WA01#	
	NY.C	Ohr		±0.1pF	GRM1552C2A6R4BA01#	TA.
	00 -	COD		±0.25pF	GRM1552C2A6R4CA01#	
	700 x.		M.I.	±0.5pF	GRM1552C2A6R4DA01#	
	100	I.CO	6.5pF	±0.05pF	GRM1552C2A6R5WA01#	<u></u>
	1.10	V.C		±0.1pF	GRM1552C2A6R5BA01#	C
	W.10	-7		±0.25pF	GRM1552C2A6R5CA01#	J
	-XI 10	0,7.		±0.5pF	GRM1552C2A6R5DA01#	7.
	1111	OOY	6.6pF	±0.05pF	GRM1552C2A6R6WA01#	
	WW.	100		±0.1pF	GRM1552C2A6R6BA01#	'n
	- 1 V	700		±0.25pF	GRM1552C2A6R6CA01#	94
	May .	KI 10		±0.5pF	GRM1552C2A6R6DA01#	
	WW	11.2	6.7pF	±0.05pF	GRM1552C2A6R7WA01#	
	TATA!	W.1	( (	±0.1pF	GRM1552C2A6R7BA01#	
	MA	TIN		±0.25pF	GRM1552C2A6R7CA01#	
	W	Mar.		±0.5pF	GRM1552C2A6R7DA01#	
			6.8pF	±0.05pF	GRM1552C2A6R8WA01#	
			υ.υμΓ		GRM1552C2A6R8WA01#	
	1	1		±0.1pF	GI IIVI I JUZUZMUNODAU I#	

Part Number

GJM Series

GMA Series

## **GRM Series Temperature Compensating Type** Part Number List

T max.	Rated Voltage	TC Code	Сар.	Tol.	Part Number		T max.	Rated Voltage	TC Code	Сар.	Tol.	
0.55mm	100Vdc	СН	6.8pF	±0.5pF	GRM1552C2A6R8DA01#	C	.55mm	100Vdc	СН	8.2pF	±0.1pF	GRM
			6.9pF	±0.05pF	GRM1552C2A6R9WA01#	1		JU = 7 (	NO.		±0.25pF	GRM
			MAN	±0.1pF	GRM1552C2A6R9BA01#	M A.		00%			±0.5pF	GRM
	TIN		WY	±0.25pF	GRM1552C2A6R9CA01#	W		1007	Co	8.3pF	±0.05pF	GRM
			1	±0.5pF	GRM1552C2A6R9DA01#			.10	J.C.		±0.1pF	GRM
	TIM		7.0pF	±0.05pF	GRM1552C2A7R0WA01#			N.100	-1 (		±0.25pF	GRIV
	TT	V		±0.1pF	GRM1552C2A7R0BA01#	_		-x1 10	97.		±0.5pF	GRIV
	Mr.	W		±0.25pF	GRM1552C2A7R0CA01#			1110	ooy.	8.4pF	±0.05pF	GRN
	OM.	- 41		±0.5pF	GRM1552C2A7R0DA01#	×I		MM.	- 05		±0.1pF	GRIV
	Low	IM	7.1pF	±0.05pF	GRM1552C2A7R1WA01#	_		· NV	7003		±0.25pF	GRN
	COR	TV	1	±0.1pF	GRM1552C2A7R1BA01#	W.			100		±0.5pF	GRN
	$CO_N$	1.0 1	N	±0.25pF	GRM1552C2A7R1CA01#	TV		NW	100	8.5pF	±0.05pF	GRN
	. co	$M_{r,T}$		±0.5pF	GRM1552C2A7R1DA01#			-stXV	11.77	~J (	±0.1pF	GRN
	1.00	M	7.2pF	±0.05pF	GRM1552C2A7R2WA01#	LT		M	TVV.1		±0.25pF	GRN
	V.C	DIA	TW	±0.1pF	GRM1552C2A7R2BA01#	WIT		W	1		±0.5pF	GRIV
	×7 (	OM	·	±0.25pF	GRM1552C2A7R2CA01#	TIN		N/	WW	8.6pF	±0.05pF	
	001.	~OT	1.7.	±0.5pF	GRM1552C2A7R2DA01#	2Mr.				N.Too	±0.1pF	GRIV
	100Y		7.3pF	±0.05pF	GRM1552C2A7R3WA01#						±0.25pF	- N
	1200	$I.C^{\mathbb{C}}$	7.001	±0.1pF	GRM1552C2A7R3BA01#	<u> </u>			WW		±0.5pF	GRIV
	1.700	*1 C	$O_{M^{**}}$	±0.25pF	GRM1552C2A7R3CA01#	$C_{OM}$ ,				8.7pF	±0.05pF	DIV.
	N 100	7.	Mo	±0.25pf	GRM1552C2A7R3DA01#	$M_{0}$				0.701	±0.03pi	GRIV
	- 10	OY.	7.4pF	±0.05pF	GRM1552C2A7R4WA01#						±0.25pF	
	M.T.		7.4pi	-XX	GRM1552C2A7R4WA01#	T.COn		N	4		±0.25pf	GRIV
	WW.	100,	1 CO	±0.1pF		CO		XX		0 0nE		- C
		100	<b>Y</b> . •	±0.25pF	GRM1552C2A7R4CA01#	$m_{\tilde{I}}$ .		L 11		8.8pF	±0.05pF	GRIV
	MM A.	- 10	7.5pF	±0.5pF	GRM1552C2A7R4DA01# GRM1552C2A7R5WA01#	mo V.C		IN			±0.1pF	10 5.
	WW	11.10	7.5pr	±0.05pF	SN SN N	TOOY.		WT			±0.25pF	000
	111	W.1	00 -	±0.1pF	GRM1552C2A7R5BA01#	100		1. 1	J	0.05	±0.5pF	GRN
	11/1/		100%.	±0.25pF	GRM1552C2A7R5CA01# GRM1552C2A7R5DA01#	$\frac{100^{1}}{100^{1}}$		$M_{JJ}$	-7	8.9pF	±0.05pF	700.
	W	M.A.	7.0-5	±0.5pF	- TW	100		Time	W		±0.1pF	GRN
	×1	W	7.6pF	±0.05pF	GRM1552C2A7R6WA01#	111.		DN-	W		±0.25pF	1
			W.100	±0.1pF	GRM1552C2A7R6BA01#	<del>~ 1</del> 1.10		OM.	- XX	00.5	±0.5pF	GRN
	-	MAG	-x 10	±0.25pF	GRM1552C2A7R6CA01#			COM	JA	9.0pF	±0.05pF	-011
		W	7.7-51	±0.5pF	GRM1552C2A7R6DA01#	111		.00	TI		±0.1pF	GRN
		· ·	7.7pF	±0.05pF	GRM1552C2A7R7WA01#	W.		V.CO			±0.25pF	-
			WIXE	±0.1pF	GRM1552C2A7R7BA01#			<1 CC	Mr.	04 5	±0.5pF	GRN
		1		±0.25pF		N .		97.	Mo	9.1pF	±0.05pF	
				±0.5pF	GRM1552C2A7R7DA01#	-WW		ON.C			±0.1pF	GRN
			7.8pF		GRM1552C2A7R8WA01#			. No.	$CO_D$		±0.25pF	
				±0.1pF	GRM1552C2A7R8BA01#			100	CO	0.0 =	±0.5pF	GRN
				±0.25pF	OV.			1.1000		9.2pF	±0.05pF	
			- 3	±0.5pF	GRM1552C2A7R8DA01#	<		100	Y.U		±0.1pF	GRN
			7.9pF	±0.05pF				W. 7	. C		±0.25pF	1
				±0.1pF	GRM1552C2A7R9BA01#			1W.1	JU - 47	coM	±0.5pF	GRIV
				±0.25pF	GRM1552C2A7R9CA01#	<u> </u>		- TXN 1	001	9.3pF	±0.05pF	
				±0.5pF	GRM1552C2A7R9DA01#			Mari	100		±0.1pF	GRIV
			8.0pF	±0.05pF				WW	.7.		±0.25pF	•
				±0.1pF	GRM1552C2A8R0BA01#				1.70	- <del>- </del>	±0.5pF	GRIV
				±0.25pF	GRM1552C2A8R0CA01#	TIM		M. A.	w.1	9.4pF	±0.05pF	1
				±0.5pF	GRM1552C2A8R0DA01#	W		WW	41.		±0.1pF	GRN
			8.1pF	±0.05pF		WI.		W	NW.		±0.25pF	+
				±0.1pF	GRM1552C2A8R1BA01#	Will		44			±0.5pF	GRIV
				±0.25pF	GRM1552C2A8R1CA01#					9.5pF	±0.05pF	+
				±0.5pF	GRM1552C2A8R1DA01#	OM.					±0.1pF	GRIV
			8.2pF	±0.05pF	GRM1552C2A8R2WA01#						±0.25pF	GRM

ode	CAA.			
СН	8.2pF	±0.1pF	GRM1552C2A8R2BA01#	
ON		±0.25pF	GRM1552C2A8R2CA01#	
.01	1.1.1	±0.5pF	GRM1552C2A8R2DA01#	
	8.3pF	±0.05pF	GRM1552C2A8R3WA01#	
.CY		±0.1pF	GRM1552C2A8R3BA01#	
J C		±0.25pF	GRM1552C2A8R3CA01#	
7.	Mor	±0.5pF	GRM1552C2A8R3DA01#	
N.	8.4pF	±0.05pF	GRM1552C2A8R4WA01#	
100		±0.1pF	GRM1552C2A8R4BA01#	
00		±0.25pF	GRM1552C2A8R4CA01#	
100	1.0	±0.5pF	GRM1552C2A8R4DA01#	
- 10	8.5pF	±0.05pF	GRM1552C2A8R5WA01#	
1.2		±0.1pF	GRM1552C2A8R5BA01#	
W.		±0.25pF	GRM1552C2A8R5CA01#	
TXX.	700x.	±0.5pF	GRM1552C2A8R5DA01#	
	8.6pF	±0.05pF	GRM1552C2A8R6WA01#	
W		±0.1pF	GRM1552C2A8R6BA01#	
TXN.		±0.25pF	GRM1552C2A8R6CA01#	
		±0.5pF	GRM1552C2A8R6DA01#	
W	8.7pF	±0.05pF	GRM1552C2A8R7WA01#	
11		±0.1pF	GRM1552C2A8R7BA01#	
		±0.25pF	GRM1552C2A8R7CA01#	
1		±0.5pF	GRM1552C2A8R7DA01#	
	8.8pF	±0.05pF	GRM1552C2A8R8WA01#	
		±0.1pF	GRM1552C2A8R8BA01#	
		±0.25pF	GRM1552C2A8R8CA01#	
		±0.5pF	GRM1552C2A8R8DA01#	
	8.9pF	±0.05pF	GRM1552C2A8R9WA01#	
J		±0.1pF	GRM1552C2A8R9BA01#	
1		±0.25pF	GRM1552C2A8R9CA01#	16T
		±0.5pF	GRM1552C2A8R9DA01#	
W	9.0pF	±0.05pF	GRM1552C2A9R0WA01#	M
		±0.1pF	GRM1552C2A9R0BA01#	TV
.,,		±0.25pF	GRM1552C2A9R0CA01#	
1.1		±0.5pF	GRM1552C2A9R0DA01#	1.1
	9.1pF	±0.05pF	GRM1552C2A9R1WA01#	N T
M	XXI	±0.1pF	GRM1552C2A9R1BA01#	Mr.
01		±0.25pF	GRM1552C2A9R1CA01#	DM
		±0.5pF	GRM1552C2A9R1DA01#	
CO	9.2pF	±0.05pF	GRM1552C2A9R2WA01#	
C	Mr.	±0.1pF	GRM1552C2A9R2BA01#	$\mathbb{C}_{\mathcal{C}}$
		±0.25pF	GRM1552C2A9R2CA01#	1 C
X.		±0.5pF	GRM1552C2A9R2DA01#	***
N.	9.3pF	±0.05pF	GRM1552C2A9R3WA01#	17.
10 -	0.001	±0.1pF	GRM1552C2A9R3BA01#	
00		±0.25pF	GRM1552C2A9R3CA01#	30-
100		±0.5pF	GRM1552C2A9R3DA01#	
	9.4pF	±0.05pF	GRM1552C2A9R4WA01#	
1.1	у. <del>тр</del> і	±0.1pF	GRM1552C2A9R4BA01#	
W.		±0.25pF	GRM1552C2A9R4CA01#	
44.		±0.5pF	GRM1552C2A9R4DA01#	
-	9.5pF	±0.5pF	GRM1552C2A9R4DA01#	
	σ.υμι	±0.05pF	GRM1552C2A9R5WA01#	
		±0.1pr ±0.25pF	GRM1552C2A9R5CA01#	
	David			051
	Part nur	iiber # indic	cates the package specification	coae

T max.	Rated Voltage	TC Code	Сар.	Tol.	Part Number
.55mm	100Vdc	СН	9.5pF	±0.5pF	GRM1552C2A9R5DA01#
			9.6pF	±0.05pF	GRM1552C2A9R6WA01#
				±0.1pF	GRM1552C2A9R6BA01#
	TIN			±0.25pF	GRM1552C2A9R6CA01#
				±0.5pF	GRM1552C2A9R6DA01#
	T.T.		9.7pF	±0.05pF	GRM1552C2A9R7WA01#
		V		±0.1pF	GRM1552C2A9R7BA01#
	Mr	«NI		±0.25pF	GRM1552C2A9R7CA01#
	OM.			±0.5pF	GRM1552C2A9R7DA01#
		LM	9.8pF	±0.05pF	GRM1552C2A9R8WA01#
	$\mathbb{C}_{\mathbf{O}_{Mr}}$		0.001	±0.1pF	GRM1552C2A9R8BA01#
	CON	1. F		±0.25pF	GRM1552C2A9R8CA01#
		V.T		±0.25pf	GRM1552C2A9R8DA01#
	Y.CU	W 17	0.0-5	. 1	
	N C	DIAT.	9.9pF	±0.05pF	GRM1552C2A9R9WA01#
	01.	Mo		±0.1pF	GRM1552C2A9R9BA01#
	00X.C	- 10		±0.25pF	GRM1552C2A9R9CA01#
	· Voo.	$C_{O_2}$	- 111	±0.5pF	GRM1552C2A9R9DA01#
	700 -	7 CC	10pF	±2%	GRM1552C2A100GA01#
	J.100		TIME	±5%	GRM1552C2A100JA01#
	- 100	V.C	12pF	±2%	GRM1552C2A120GA01#
	M.To.		COM.	±5%	GRM1552C2A120JA01#
	.T.W.1	M 7.	15pF	±2%	GRM1552C2A150GA01#
M	N 1	1007		±5%	GRM1552C2A150JA01#
	MM.	. 00	18pF	±2%	GRM1552C2A180GA01#
	-TANV	700		±5%	GRM1552C2A180JA01#
		N 10	22pF	±2%	GRM1552C2A220GA01#
	MM	111		±5%	GRM1552C2A220JA01#
	TXIV!	W.,	27pF	±2%	GRM1552C2A270GA01#
		TW	700	±5%	GRM1552C2A270JA01#
	W.	MA .	33pF	±2%	GRM1552C2A330GA01#
	V		/ .ssb.	±5%	GRM1552C2A330JA01#
		TIN.	39pF	±2%	GRM1552C2A390GA01#
		M.	3V.10	±5%	GRM1552C2A390JA01#
		W	47pF	±2%	GRM1552C2A470GA01#
		<b>*X</b>	4/01	~ 1	GRM1552C2A470GA01#
			5Cn C	±5%	GRM1552C2A470JA01# GRM1552C2A560GA01#
			56pF	±2%	
			oo =	±5%	GRM1552C2A560JA01#
			68pF	±2%	GRM1552C2A680GA01#
			111	±5%	GRM1552C2A680JA01#
			82pF	±2%	GRM1552C2A820GA01#
			- 4	±5%	GRM1552C2A820JA01#
			100pF	±2%	GRM1552C2A101GA01#
			1	±5%	GRM1552C2A101JA01#
	50Vdc	COG	0.10pF	±0.05pF	GRM1555C1HR10WA01#
			0.20pF	±0.05pF	GRM1555C1HR20WA01#
				±0.1pF	GRM1555C1HR20BA01#
			0.30pF	±0.05pF	GRM1555C1HR30WA01#
				±0.1pF	GRM1555C1HR30BA01#
			0.40pF	±0.05pF	GRM1555C1HR40WA01#
				±0.1pF	GRM1555C1HR40BA01#
			0.50pF	±0.05pF	GRM1555C1HR50WA01#
				±0.1pF	GRM1555C1HR50BA01#
			0.60pF	±0.05pF	GRM1555C1HR60WA01#
	I		0.00pi	_0.00pi	

T max.	Rated Voltage	TC Code	Сар.	Tol.	Part Number	
0.55mm	50Vdc	COG	0.70pF	±0.05pF	GRM1555C1HR70WA01#	
WW.11	JV = 1 (	NO.		±0.1pF	GRM1555C1HR70BA01#	
NN .	00,1.	-01	0.80pF	±0.05pF	GRM1555C1HR80WA01#	
MM.	4007	CO		±0.1pF	GRM1555C1HR80BA01#	
N W	Too	J CC	0.90pF	±0.05pF	GRM1555C1HR90WA01#	
- XTX	N.100	7.		±0.1pF	GRM1555C1HR90BA01#	
MM	- 10	01.	1.0pF	±0.05pF	GRM1555C1H1R0WA01#	
WW	11.5	oov.	$C_{O,p_{x}}$	±0.1pF	GRM1555C1H1R0BA01#	
	$NN^{-1}$	00		±0.25pF	GRM1555C1H1R0CA01#	
	-TXN	700.	1.1pF	±0.05pF	GRM1555C1H1R1WA01#	
V	M.	- 100	Y.Co	±0.1pF	GRM1555C1H1R1BA01#	
	WWW	1.2		±0.25pF	GRM1555C1H1R1CA01#	
	-111	W.77	1.2pF	±0.05pF	GRM1555C1H1R2WA01#	
	MA	- 1	1.201	±0.05pr	GRM1555C1H1R2BA01#	
	W	111.			TYN .	
<b>S</b> I	- 1	WW	10.5	±0.25pF	GRM1555C1H1R2CA01#	
	M	- 11	1.3pF	±0.05pF	GRM1555C1H1R3WA01#	
W		(AN)		±0.1pF	GRM1555C1H1R3BA01#	
CIN		WW	11.1	±0.25pF	GRM1555C1H1R3CA01#	
7			1.4pF	±0.05pF	GRM1555C1H1R4WA01#	
TW		W		±0.1pF	GRM1555C1H1R4BA01#	
TV		V	MAI.	±0.25pF	GRM1555C1H1R4CA01#	
M·r	<b>*</b> I		1.5pF	±0.05pF	GRM1555C1H1R5WA01#	
$T.M_C$	17			±0.1pF	GRM1555C1H1R5BA01#	
J 1 1	W			±0.25pF	GRM1555C1H1R5CA01#	
OM	-XX		1.6pF	±0.05pF	GRM1555C1H1R6WA01#	
COM	7.			±0.1pF	GRM1555C1H1R6BA01#	
.CO	TW			±0.25pF	GRM1555C1H1R6CA01#	
$^{4}$ . $^{CO_{2}}$	TV	V	1.7pF	±0.05pF	GRM1555C1H1R7WA01#	
47 CO	Mr.	c XI		±0.1pF	GRM1555C1H1R7BA01#	
11.	$M^{T}$			±0.25pF	GRM1555C1H1R7CA01#	e T
OY.C	- 11		1.8pF	±0.05pF	GRM1555C1H1R8WA01#	N-
	OM.	TIN	1.001	±0.1pF	GRM1555C1H1R8BA01#	W
100	CON			±0.25pF	GRM1555C1H1R8CA01#	- ~
1007		T.T	1.05		GRM1555C1H1R9WA01#	
. 007	V.CO		1.9pF	±0.05pF	W. T. T. CONT.	-1
N.100	47 CC	Mr.		±0.1pF	GRM1555C1H1R9BA01#	7.0
TN 10	01.	M	7.71	±0.25pF	GRM1555C1H1R9CA01#	$\Delta \Lambda$
11	00X.C		2.0pF	±0.05pF	GRM1555C1H2R0WA01#	10
M.M.	oov.	$C_{\mathbf{O}_{B}}$		±0.1pF	GRM1555C1H2R0BA01#	الالا
WXX	Inn r.	c0	M.r.	±0.25pF	GRM1555C1H2R0CA01#	0
	1007		2.1pF	±0.05pF	GRM1555C1H2R1WA01#	
WWW	100	Y.C		±0.1pF	GRM1555C1H2R1BA01#	.0
TIN	W.In.	~J (	OM	±0.25pF	GRM1555C1H2R1CA01#	J.C
	W.10	10 7.	2.2pF	±0.05pF	GRM1555C1H2R2WA01#	_
W	N N 1	001		±0.1pF	GRM1555C1H2R2BA01#	21.
XXI	MM.		V.COz	±0.25pF	GRM1555C1H2R2CA01#	201
1	Win	700	2.3pF	±0.05pF	GRM1555C1H2R3WA01#	0
	N AL	V 10		±0.1pF	GRM1555C1H2R3BA01#	
	WW.	10-		±0.25pF	GRM1555C1H2R3CA01#	
	- 111	41.7	2.4pF	±0.05pF	GRM1555C1H2R4WA01#	
	MA	TIN	700m.	±0.1pF	GRM1555C1H2R4BA01#	
	W	M. A.		±0.25pF	GRM1555C1H2R4CA01#	
N			2 5nE	-		
4.4			2.5pF	±0.05pF	GRM1555C1H2R5WA01#	
				±0.1pF	GRM1555C1H2R5BA01#	

GJM Series

**GMA** Series

**GMD** Series GQM Series

**GRJ** Series

GR3 Series KRM Series

KR3 Series **LLA Series** 

## **GRM Series Temperature Compensating Type** Part Number List

T ax.	Rated Voltage	TC Code	Сар.	Tol.	Part Number	WV	T max.	Rated Voltage	TC Code	Сар.	Tol.	Part Number
5mm	50Vdc	COG	2.6pF	±0.05pF	GRM1555C1H2R6WA01#	- XX	0.55mm	50Vdc	COG	4.4pF	±0.05pF	GRM1555C1H4R4WA01#
				±0.1pF	GRM1555C1H2R6BA01#		W.W.1	W 2.	MO.		±0.1pF	GRM1555C1H4R4BA01#
	W			±0.25pF	GRM1555C1H2R6CA01#		NN	001.	. 01		±0.25pF	GRM1555C1H4R4CA01#
			2.7pF	±0.05pF	GRM1555C1H2R7WA01#		MMM.		CO	4.5pF	±0.05pF	GRM1555C1H4R5WA01#
	7.			±0.1pF	GRM1555C1H2R7BA01#			Too	or CS		±0.1pF	GRM1555C1H4R5BA01#
	TW			±0.25pF	GRM1555C1H2R7CA01#				7.		±0.25pF	GRM1555C1H4R5CA01#
	- 17	V	2.8pF	±0.05pF	GRM1555C1H2R8WA01#		MM	10	01.0	4.6pF	±0.05pF	GRM1555C1H4R6WA01#
	M.	W		±0.1pF	GRM1555C1H2R8BA01#		WW	W.r.	00X.	$C_{\Omega,\mu_{T}}$	±0.1pF	GRM1555C1H4R6BA01#
	$\Gamma$ MO	11		±0.25pF	GRM1555C1H2R8CA01#	-1	1	$_{ m TW}$ .1	00 -		±0.25pF	GRM1555C1H4R6CA01#
	· .	W	2.9pF	±0.05pF	GRM1555C1H2R9WA01#	<b>N</b>	1		100	4.7pF	±0.05pF	GRM1555C1H4R7WA01
	COM.		2.9pi	-311	GRM1555C1H2R9BA01#		V	WW.	00	4.701	- 11	GRM1555C1H4R7BA01#
		[ , J		±0.1pF	CON.	- 1		TWV.	Tra.		±0.1pF	(X)
		T.D	00.5	±0.25pF	GRM1555C1H2R9CA01#			NN T	$\sqrt{1}$	10.5	±0.25pF	GRM1555C1H4R7CA01#
	V.CO		3.0pF	±0.05pF	GRM1555C1H3R0WA01#	-4				4.8pF	±0.05pF	GRM1555C1H4R8WA01
		Mr.		±0.1pF	GRM1555C1H3R0BA01#	170	N	WV	M.		±0.1pF	GRM1555C1H4R8BA01#
		M	7.11	±0.25pF	GRM1555C1H3R0CA01#	$\overline{\mathcal{M}}_{I}$	-1		OT W	700 -	±0.25pF	GRM1555C1H4R8CA01#
		0.	3.1pF	±0.05pF	GRM1555C1H3R1WA01#	-M	LM			4.9pF	±0.05pF	GRM1555C1H4R9WA01
		$CO_Z$		±0.1pF	GRM1555C1H3R1BA01#	OM.	W		W		±0.1pF	GRM1555C1H4R9BA01#
	700x		Mir	±0.25pF	GRM1555C1H3R1CA01#	ON			111	M.In.	±0.25pF	GRM1555C1H4R9CA01#
	100		3.2pF	±0.05pF	GRM1555C1H3R2WA01#		V.TV			5.0pF	±0.05pF	GRM1555C1H5R0WA01
	N . Z . OC	V.C		±0.1pF	GRM1555C1H3R2BA01#	ico.	WT		W		±0.1pF	GRM1555C1H5R0BA01#
	$M.T_{D_{i}}$	-7 (		±0.25pF	GRM1555C1H3R2CA01#	J C	)Mr.		<b>41</b>		±0.25pF	GRM1555C1H5R0CA01#
	W.10	10 x .	3.3pF	±0.05pF	GRM1555C1H3R3WA01#	- 0	$O_{M,T}$			5.1pF	±0.05pF	GRM1555C1H5R1WA01
	N 1	007		±0.1pF	GRM1555C1H3R3BA01#	01	M.T		1		±0.1pF	GRM1555C1H5R1BA01#
		100		±0.25pF	GRM1555C1H3R3CA01#	ant.	COMP				±0.25pF	GRM1555C1H5R1CA01#
	NW	.10v	3.4pF	±0.05pF	GRM1555C1H3R4WA01#	00-	$CO_{M^{-1}}$				±0.5pF	GRM1555C1H5R1DA01#
	1	×1 10	3.4pr	±0.1pF	GRM1555C1H3R4BA01#	100)	Mos			5.2pF	±0.05pF	GRM1555C1H5R2WA01
		M		±0.25pF	GRM1555C1H3R4CA01#	- 400	Y.Co.			W	±0.1pF	GRM1555C1H5R2BA01#
		W.)	3.5pF	±0.05pF	GRM1555C1H3R5WA01#	1.10	COD	1.	(		±0.25pF	GRM1555C1H5R2CA01#
			5.5pi	±0.05pi	GRM1555C1H3R5BA01#	<del>(N.1</del> 0	)0 z.		- T			GRM1555C1H5R2DA01#
		Ma.					001.0	M.T		F 25 F	±0.5pF	100 - 11
		W	0.0.5	±0.25pF	GRM1555C1H3R5CA01#	111	ON C	0-	W	5.3pF	±0.05pF	GRM1555C1H5R3WA01
		- 1	3.6pF	±0.05pF	GRM1555C1H3R6WA01#	<del>N</del>	700				±0.1pF	GRM1555C1H5R3BA01#
		MAA		±0.1pF	GRM1555C1H3R6BA01#		W.100Y W.100Y W.100Y.CO W.100Y.CO W.100Y	anM	TW		±0.25pF	GRM1555C1H5R3CA01#
			1111.	±0.25pF	GRM1555C1H3R6CA01#		1007	Con	T	N	±0.5pF	GRM1555C1H5R3DA01#
			3.7pF	±0.05pF	GRM1555C1H3R7WA01#		M.IO	$^{1}$ CO $_{0}$	NT.	5.4pF	±0.05pF	GRM1555C1H5R4WA01
		111		±0.1pF	GRM1555C1H3R7BA01#		TW.100		M.		±0.1pF	GRM1555C1H5R4BA01#
		1		±0.25pF	GRM1555C1H3R7CA01#		W 1 10				±0.25pF	GRM1555C1H5R4CA01#
			3.8pF	±0.05pF	GRM1555C1H3R8WA01#		MM	NY.C	$O_{Z_{2}}$	W	±0.5pF	GRM1555C1H5R4DA01#
				±0.1pF	GRM1555C1H3R8BA01#		1.WW.1	UO - 7 (	COD	5.5pF	±0.05pF	GRM1555C1H5R5WA01
				±0.25pF	GRM1555C1H3R8CA01#		N Y	100X	-00		±0.1pF	GRM1555C1H5R5BA01#
			3.9pF	±0.05pF	GRM1555C1H3R9WA01#		MMM	11005	L.CO		±0.25pF	GRM1555C1H5R5CA01#
				±0.1pF	GRM1555C1H3R9BA01#		WW	1.100	V.C		±0.5pF	GRM1555C1H5R5DA01#
				±0.25pF	GRM1555C1H3R9CA01#		VV - 1	N.100	13.	5.6pF	±0.05pF	GRM1555C1H5R6WA01
			4.0pF	±0.05pF	GRM1555C1H4R0WA01#		MM	-110	01.		±0.1pF	GRM1555C1H5R6BA01#
				±0.1pF	GRM1555C1H4R0BA01#	V	WV	1111.			±0.25pF	GRM1555C1H5R6CA01#
				±0.25pF	GRM1555C1H4R0CA01#	-1		$\mathbf{w}^{\mathrm{M}}$	$l_{00,j}$		±0.5pF	GRM1555C1H5R6DA01#
			1155	44.4	1007-		11		100	F 75F	NA DE	
			4.1pF	±0.05pF	GRM1555C1H4R1WA01#	CVI				5.7pF	±0.05pF	GRM1555C1H5R7WA01
				±0.1pF	GRM1555C1H4R1BA01#	1 1		TINY	1.70		±0.1pF	GRM1555C1H5R7BA01#
				±0.25pF	GRM1555C1H4R1CA01#	TIM		M.	W.1		±0.25pF	GRM1555C1H5R7CA01#
			4.2pF	±0.05pF	GRM1555C1H4R2WA01#	4	N	WW	41.	rooy.	±0.5pF	GRM1555C1H5R7DA01#
				±0.1pF	GRM1555C1H4R2BA01#	Mr.	XX	W	MW.	5.8pF	±0.05pF	GRM1555C1H5R8WA01
				±0.25pF	GRM1555C1H4R2CA01#	M	. **				±0.1pF	GRM1555C1H5R8BA01#
			4.3pF	±0.05pF	GRM1555C1H4R3WA01#		TW				±0.25pF	GRM1555C1H5R8CA01#
				±0.1pF	GRM1555C1H4R3BA01#	$O_{\overline{M}_T}$					±0.5pF	GRM1555C1H5R8DA01#
		1		±0.25pF	GRM1555C1H4R3CA01#					5.9pF	±0.05pF	GRM1555C1H5R9WA01#

T max.	Rated Voltage	TC Code	Сар.	Tol.	Part Number		T max.	Rated Voltage	TC Code	Cap.	Tol.
).55mm	50Vdc	COG	5.9pF	±0.1pF	GRM1555C1H5R9BA01#	- T	0.55mm	50Vdc	COG	7.2pF	±0.5pF
				±0.25pF	GRM1555C1H5R9CA01#	-		)() 1.	NO.	7.3pF	±0.05pF
	W			±0.5pF	GRM1555C1H5R9DA01#			00,7.			±0.1pF
	TV		6.0pF	±0.05pF	GRM1555C1H6R0WA01#			1007	CO		±0.25pF
	. 1			±0.1pF	GRM1555C1H6R0BA01#			.10	V.C		±0.5pF
	LTW			±0.25pF	GRM1555C1H6R0CA01#			N.100	-1 C	7.4pF	±0.05pF
	TITE			±0.5pF	GRM1555C1H6R0DA01#			xx 10	01.		±0.1pF
	INT.	W	6.1pF	±0.05pF	GRM1555C1H6R1WA01#			1	OV.		±0.25pF
	$0_{M^{*}}$	XXI		±0.1pF	GRM1555C1H6R1BA01#	N		MM.		CO in	±0.5pF
	MO	T.A.		±0.25pF	GRM1555C1H6R1CA01#			WW	700	7.5pF	±0.05pF
				±0.5pF	GRM1555C1H6R1DA01#	5.11			1.101		±0.1pF
	COR		6.2pF	±0.05pF	GRM1555C1H6R2WA01#	TW		MM.	×110		±0.25pF
	O CO	Mr.		±0.1pF	GRM1555C1H6R2BA01#			WW	M	any.	±0.5pF
	7.	M.		±0.25pF	GRM1555C1H6R2CA01#	1.1		- 11	W.	7.6pF	±0.05pF
	01.	Mo	TW	±0.5pF	GRM1555C1H6R2DA01#	T.M					±0.1pF
	on Y.C	Or	6.3pF	±0.05pF	GRM1555C1H6R3WA01#			W	M.		±0.25pF
		$CO_{\tilde{I}}$		±0.1pF	GRM1555C1H6R3BA01#	Ohr		1	W	100	±0.5pF
	700 -	, c0		±0.25pF	GRM1555C1H6R3CA01#	COM			WW	7.7pF	±0.05pF
	1100		Tim	±0.5pF	GRM1555C1H6R3DA01#	-01					±0.1pF
	100	Y.C	6.4pF	±0.05pF	GRM1555C1H6R4WA01#				W		±0.25pF
	11.10	N.		±0.1pF	GRM1555C1H6R4BA01#	V.C			V	1111	±0.5pF
	$\sqrt{M} \cdot T$	JU = ~ 1		±0.25pF	GRM1555C1H6R4CA01#	C.C		N		7.8pF	±0.05pF
		100x		±0.5pF	GRM1555C1H6R4DA01#	0 1.		- 1			±0.1pF
	Mill	100	6.5pF	±0.05pF	GRM1555C1H6R5WA01#	007					±0.25pF
				±0.1pF	GRM1555C1H6R5BA01#	100 Y		TW		70 -	±0.5pF
		N.In		±0.25pF	GRM1555C1H6R5CA01#	170		TW.		7.9pF	±0.05pF
	N	W.1	00.5	±0.5pF	GRM1555C1H6R5DA01#	1.100		1.1	(I		±0.1pF
	1/1/1/		6.6pF	±0.05pF	GRM1555C1H6R6WA01#	CV .10		$M_{JJ,J}$	-1		±0.25pF
	W	M.A.		±0.1pF ±0.25pF	GRM1555C1H6R6BA01# GRM1555C1H6R6CA01#	201		Time	N	8.0pF	±0.5pF
	11			±0.25pF	GRM1555C1H6R6DA01#	M.		Dh.	W	6.UPF	±0.05pF
			6.7pF	±0.05pF	GRM1555C1H6R7WA01#	W		$O_{Mr}$	TV		±0.25pF
		M	0.761	±0.1pF	GRM1555C1H6R7BA01#			CON	1.7		±0.5pF
		W		±0.25pF	GRM1555C1H6R7CA01#	N. N.			I.T	8.1pF	±0.05pF
		W		±0.5pF	GRM1555C1H6R7DA01#	W.		Y.CO	M.T	W. P.	±0.1pF
			6.8pF	70 -	GRM1555C1H6R8WA01#			V.C			±0.25pF
				±0.1pF	GRM1555C1H6R8BA01#			o - ≤7 (	$O_{M}$		±0.5pF
				- 00	GRM1555C1H6R8CA01#			001.	-01	8.2pF	±0.05pF
				±0.5pF	GRM1555C1H6R8DA01#			1001		V.T.V	±0.1pF
			6.9pF	±0.05pF	GRM1555C1H6R9WA01#			4000	L.CU		±0.25pF
				±0.1pF	GRM1555C1H6R9BA01#			1.70	V C		±0.5pF
				±0.25pF	GRM1555C1H6R9CA01#			N.100	13.	8.3pF	±0.05pF
				±0.5pF	GRM1555C1H6R9DA01#			× 10	01.		±0.1pF
			7.0pF	±0.05pF	GRM1555C1H7R0WA01#			1	001		±0.25pF
				±0.1pF	GRM1555C1H7R0BA01#			WW.	-		±0.5pF
				±0.25pF	GRM1555C1H7R0CA01#			TWW.	700	8.4pF	±0.05pF
				±0.5pF	GRM1555C1H7R0DA01#	IM		N 11	N.10		±0.1pF
			7.1pF	±0.05pF	GRM1555C1H7R1WA01#	TW		MM,	×1 1		±0.25pF
				±0.1pF	GRM1555C1H7R1BA01#			WW	M.	. Non.	±0.5pF
				±0.25pF	GRM1555C1H7R1CA01#	W.r.		_ < 1	NW.	8.5pF	±0.05pF
				±0.5pF	GRM1555C1H7R1DA01#	$M^{T}$		10			±0.1pF
			7.2pF	±0.05pF	GRM1555C1H7R2WA01#	- N					±0.25pF
				±0.1pF	GRM1555C1H7R2BA01#	Ohr					±0.5pF
				±0.25pF	GRM1555C1H7R2CA01#					8.6pF	±0.05pF

	1			
ON	7.3pF	±0.05pF	GRM1555C1H7R3WA01#	
.01		±0.1pF	GRM1555C1H7R3BA01#	
		±0.25pF	GRM1555C1H7R3CA01#	
C.	) IAT	±0.5pF	GRM1555C1H7R3DA01#	
. T (	7.4pF	±0.05pF	GRM1555C1H7R4WA01#	
7.		±0.1pF	GRM1555C1H7R4BA01#	
N.		±0.25pF	GRM1555C1H7R4CA01#	
200	$^{(CO_N)}$	±0.5pF	GRM1555C1H7R4DA01#	
UU	7.5pF	±0.05pF	GRM1555C1H7R5WA01#	
700		±0.1pF	GRM1555C1H7R5BA01#	
- 10		±0.25pF	GRM1555C1H7R5CA01#	
1.2	any.C	±0.5pF	GRM1555C1H7R5DA01#	
W.	7.6pF	±0.05pF	GRM1555C1H7R6WA01#	
TXX		±0.1pF	GRM1555C1H7R6BA01#	
1		±0.25pF	GRM1555C1H7R6CA01#	
W	N . 2 . 00	±0.5pF	GRM1555C1H7R6DA01#	
. TXX	7.7pF	±0.05pF	GRM1555C1H7R7WA01#	
		±0.1pF	GRM1555C1H7R7BA01#	
W		±0.25pF	GRM1555C1H7R7CA01#	
11		±0.5pF	GRM1555C1H7R7DA01#	
	7.8pF	±0.05pF	GRM1555C1H7R8WA01#	
		±0.1pF	GRM1555C1H7R8BA01#	
		±0.25pF	GRM1555C1H7R8CA01#	
		±0.5pF	GRM1555C1H7R8DA01#	
	7.9pF	±0.05pF	GRM1555C1H7R9WA01#	
		±0.1pF	GRM1555C1H7R9BA01#	
		±0.25pF	GRM1555C1H7R9CA01#	
1		±0.5pF	GRM1555C1H7R9DA01#	
· • 1	8.0pF	±0.05pF	GRM1555C1H8R0WA01#	N
M		±0.1pF	GRM1555C1H8R0BA01#	-7
W		±0.25pF	GRM1555C1H8R0CA01#	W
		±0.5pF	GRM1555C1H8R0DA01#	TV
. 1	8.1pF	±0.05pF	GRM1555C1H8R1WA01#	
1.7		±0.1pF	GRM1555C1H8R1BA01#	[.]
- N		±0.25pF	GRM1555C1H8R1CA01#	M.
) EA 2		±0.5pF	GRM1555C1H8R1DA01#	74-
O <sub>J</sub>	8.2pF	±0.05pF	GRM1555C1H8R2WA01#	) Mi
a0		±0.1pF	GRM1555C1H8R2BA01#	0
		±0.25pF	GRM1555C1H8R2CA01#	
C.C	JMr.	±0.5pF	GRM1555C1H8R2DA01#	Cr
- -7 (	8.3pF	±0.05pF	GRM1555C1H8R3WA01#	J.C
1.		±0.1pF	GRM1555C1H8R3BA01#	2
ON		±0.25pF	GRM1555C1H8R3CA01#	2.
001		±0.5pF	GRM1555C1H8R3DA01#	nos
no	8.4pF	±0.05pF	GRM1555C1H8R4WA01#	0
10		±0.1pF	GRM1555C1H8R4BA01#	
-11		±0.25pF	GRM1555C1H8R4CA01#	
N.>	ooy.	±0.5pF	GRM1555C1H8R4DA01#	
W.	8.5pF	±0.05pF	GRM1555C1H8R5WA01#	
		±0.1pF	GRM1555C1H8R5BA01#	
		±0.25pF	GRM1555C1H8R5CA01#	
		±0.5pF	GRM1555C1H8R5DA01#	
	8.6pF	±0.05pF	GRM1555C1H8R6WA01#	
	Part nur	mber # indic	cates the package specification	code

Part Number

GRM1555C1H7R2DA01#

# GJM Series

GMA Series

GQM Series GMD Series

GR3 Series GRJ Series

## **GRM Series Temperature Compensating Type** Part Number List

T max.	Rated Voltage	TC Code	Сар.	Tol.	Part Number	T max.	Rated Voltage	TC Code	Cap.	Tol.	Part Number
.55mm	50Vdc	COG	8.6pF	±0.1pF	GRM1555C1H8R6BA01#	0.55mm	50Vdc	COG	9.9pF	±0.5pF	GRM1555C1H9R9DA01#
			N 11	±0.25pF	GRM1555C1H8R6CA01#	-W.10	)() 1.	MO	10pF	±2%	GRM1555C1H100GA01#
	W		WW	±0.5pF	GRM1555C1H8R6DA01#	-WW	001.			±5%	GRM1555C1H100JA01#
	- XX		8.7pF	±0.05pF	GRM1555C1H8R7WA01#	MMM.	1001	CO	12pF	±2%	GRM1555C1H120GA01#
	. 1		- 1	±0.1pF	GRM1555C1H8R7BA01#		Too	J CC		±5%	GRM1555C1H120JA01#
	LIN			±0.25pF	GRM1555C1H8R7CA01#		N.100	7.	15pF	±2%	GRM1555C1H150GA01#
		N		±0.5pF	GRM1555C1H8R7DA01#	_ NW	-si 10	01.0		±5%	GRM1555C1H150JA01#
	Mr	W	8.8pF	±0.05pF	GRM1555C1H8R8WA01#	WW	11	ooy.	18pF	±2%	GRM1555C1H180GA01#
	$OM_{i,j}$	1		±0.1pF	GRM1555C1H8R8BA01#		NW.	0		±5%	GRM1555C1H180JA01#
	.ovi	IM		±0.25pF	GRM1555C1H8R8CA01#		- TW	700;	22pF	±2%	GRM1555C1H220GA01#
	COR	TV	ĺ	±0.5pF	GRM1555C1H8R8DA01#	4		100		±5%	GRM1555C1H220JA01#
	$CO_{\tilde{N}}$	1. 1	8.9pF	±0.05pF	GRM1555C1H8R9WA01#	CVV .	WWW	100	27pF	±2%	GRM1555C1H270GA01#
	- c0	$M_{I,I}$		±0.1pF	GRM1555C1H8R9BA01#	<u> </u>	-111	$M_{T_{\ell}}$	~ C	±5%	GRM1555C1H270JA01#
	Y.C.	7.77		±0.25pF	GRM1555C1H8R9CA01#	T	M.	UN.	33pF	±2%	GRM1555C1H330GA01#
	N.C	DAY	TW	±0.5pF	GRM1555C1H8R9DA01#	WTI	W	N Y	1007	±5%	GRM1555C1H330JA01#
	- <b>4</b> 7 (	OM	9.0pF	±0.05pF	GRM1555C1H9R0WA01#	TV	N.	MW	39pF	±2%	GRM1555C1H390GA01#
	00x.		0.00.	±0.1pF	GRM1555C1H9R0BA01#	M		TXX	N.Jo.	±5%	GRM1555C1H390JA01#
	1001	0	VIII	±0.25pF	GRM1555C1H9R0CA01#	OM.TW		1	47pF	±2%	GRM1555C1H470GA01#
	700	$7.C^{\mathbb{C}}$	INT.	±0.5pF	GRM1555C1H9R0DA01#	WT		WW	(17 <b>p</b> )	±5%	GRM1555C1H470JA01#
	1.100	-7 C	9.1pF	±0.05pF	GRM1555C1H9R1WA01#	COM.		TIT!	56pF	±2%	GRM1555C1H560GA01#
	xi 100	17.	3.1pi	±0.05pi	GRM1555C1H9R1BA01#	COM.			30pi	±5%	GRM1555C1H560JA01#
	1	OV.		±0.25pF	GRM1555C1H9R1CA01#	- MTW		1	68pF	±2%	GRM1555C1H680GA01#
	1111-7		$CO_{D_{i}}$	±0.25pf	GRM1555C1H9R1DA01#	Z.COn CT	N	4	оорі	±5%	GRM1555C1H680JA01#
	WW.	100.	9.2pF	±0.05pF	GRM1555C1H9R2WA01#	COM	XX		82pF	±2%	GRM1555C1H820GA01#
	M.	100	9.2pr		GRM1555C1H9R2BA01#	$\overline{w}$ .			ozpr	±5%	
	MAN	- 10	OY.Co	±0.1pF	N N I	ne V.Com	IN		1005	- T 10	GRM1555C1H820JA01#
	NIW!	N.r.	.V.C	±0.25pF	GRM1555C1H9R2CA01#	COn	WT		100pF	±2%	GRM1555C1H101GA01#
	111	W.1	00.5	±0.5pF	GRM1555C1H9R2DA01#	700 T COD	1. 1	(J	100.5	±5%	GRM1555C1H101JA01#
	AN N		9.3pF	±0.05pF	GRM1555C1H9R3WA01#	N.100 Y.	$M_{JJ,J}$		120pF	±2%	GRM1555C1H121GA01#
	W	MAA		±0.1pF	GRM1555C1H9R3BA01#	-100Y.CO	Tim	W	450.5	±5%	GRM1555C1H121JA01#
			1.To	±0.25pF	GRM1555C1H9R3CA01#	W. T. C.	Diag.		150pF	±2%	GRM1555C1H151GA01#
		1	100	±0.5pF	GRM1555C1H9R3DA01#	NYV.100	OM.	T .	400 =	±5%	GRM1555C1H151JA01#
		MAA	9.4pF	±0.05pF	GRM1555C1H9R4WA01#	100 x.	MOD	TA	180pF	±2%	GRM1555C1H181GA01#
			1111.	±0.1pF	GRM1555C1H9R4BA01#	100X	CO	TI	N	±5%	GRM1555C1H181JA01#
			NN.	±0.25pF	GRM1555C1H9R4CA01#	W. L.	V.CO	N. T.	220pF	±2%	GRM1555C1H221GA01#
			T T T	±0.5pF	GRM1555C1H9R4DA01#		-7 CC	M	- 3	±5%	GRM1555C1H221JA01#
		1	9.5pF	±0.05pF	GRM1555C1H9R5WA01#	<u>1</u> 1 10	01.0	$o_{M}$	270pF	±2%	GRM1555C1H271GA01#
			WW	±0.1pF	GRM1555C1H9R5BA01#		00 Y.C	0.	W	±5%	GRM1555C1H271JA01#
				±0.25pF	GRM1555C1H9R5CA01#	$=$ $^{MMM \cdot r}$		$CO_{D}$	330pF	±2%	GRM1555C1H331GA01#
				±0.5pF	GRM1555C1H9R5DA01#	\\	100 X	CO	$M_{TT}$	±5%	GRM1555C1H331JA01#
			9.6pF	±0.05pF	GRM1555C1H9R6WA01#	_ // //	1.100		390pF	±2%	GRM1555C1H391GA01#
			11	±0.1pF	GRM1555C1H9R6BA01#	_ WW	1	Y.C	1	±5%	GRM1555C1H391JA01#
				±0.25pF	GRM1555C1H9R6CA01#	·w	W.100		470pF	±2%	GRM1555C1H471GA01#
			*	±0.5pF	GRM1555C1H9R6DA01#	_	W.10	10 r.	MOD	±5%	GRM1555C1H471JA01#
			9.7pF	±0.05pF	GRM1555C1H9R7WA01#	W		001	560pF	±2%	GRM1555C1H561GA01#
				±0.1pF	GRM1555C1H9R7BA01#	N N	WW.	100	I.Co.	±5%	GRM1555C1H561JA01#
				±0.25pF	GRM1555C1H9R7CA01#		VWW	Too	680pF	±2%	GRM1555C1H681GA01#
				±0.5pF	GRM1555C1H9R7DA01#		1	V.10	11.	±5%	GRM1555C1H681JA01#
			9.8pF	±0.05pF	GRM1555C1H9R8WA01#	TW	WW	x1 1	820pF	±2%	GRM1555C1H821GA01#
				±0.1pF	GRM1555C1H9R8BA01#		WW	W.7	any.	±5%	GRM1555C1H821JA01#
				±0.25pF	GRM1555C1H9R8CA01#	1.1		WW.	1000pF	±2%	GRM1555C1H102GA01#
				±0.5pF	GRM1555C1H9R8DA01#	M.TW				±5%	GRM1555C1H102JA01#
			9.9pF	±0.05pF	GRM1555C1H9R9WA01#	WTIE		СК	0.10pF	±0.05pF	GRM1554C1HR10WA01#
				±0.1pF	GRM1555C1H9R9BA01#	DAT			0.20pF	±0.05pF	GRM1554C1HR20WA01#
				±0.25pF	GRM1555C1H9R9CA01#					±0.1pF	GRM1554C1HR20BA01#

(→ **■** 1.0×0.5mm)

T max.	Rated Voltage	TC Code	Сар.	Tol.	Part Number	T max.	Rated Voltage	TC Code	Cap.
0.55mm	50Vdc	СК	0.30pF	±0.05pF	GRM1554C1HR30WA01#	0.55mm	50Vdc	CJ	2.3pF
			N 1	±0.1pF	GRM1554C1HR30BA01#	WW.11	JU 1	NO.	
- 1	W		0.40pF	±0.05pF	GRM1554C1HR40WA01#	M. M.	00,1.		2.4pF
	TIN		WV	±0.1pF	GRM1554C1HR40BA01#	MM M.	1007	CO	
coM	. 1		0.50pF	±0.05pF	GRM1554C1HR50WA01#	WWW	700	v.CC	
	LTW			±0.1pF	GRM1554C1HR50BA01#		N.100	-7 C	2.5pF
	TIV	N	0.60pF	±0.05pF	GRM1554C1HR60WA01#		-x 10	01.	
	Mr.	W		±0.1pF	GRM1554C1HR60BA01#	MA	1	OY.	
	$O_{M^{*}}$	-31	0.70pF	±0.05pF	GRM1554C1HR70WA01#	N XX	MM.	~~~	2.6pF
	Mo	LA		±0.1pF	GRM1554C1HR70BA01#		WW	700,	
00Y.		TV	0.80pF	±0.05pF	GRM1554C1HR80WA01#	M. A		1.100	
	$C_{O_{M}}$		N	±0.1pF	GRM1554C1HR80BA01#	TW	WW	-10	2.7pF
	-1 CO	M.r	0.90pF	±0.05pF	GRM1554C1HR90WA01#		WW	W.r.	
	<b>Y</b> . •	M		±0.1pF	GRM1554C1HR90BA01#	V.F.	1	W.	
	O.Y.C.	- 1	1.0pF	±0.05pF	GRM1554C1H1R0WA01#	W.T.W	1111		2.8pF
	av.C	$O_{\hat{M}}$	W	±0.1pF	GRM1554C1H1R0BA01#	WT	W	WA	
JW.	00 =	COI	1.1	±0.25pF	GRM1554C1H1R0CA01#	OM.			
	100 X.		1.1pF	±0.05pF	GRM1554C1H1R1WA01#	OM.I.		- 75	2.9pF
	- 100	1.00	TI	±0.1pF	GRM1554C1H1R1BA01#	TIM			
	1.100	V.C	$O_{Mr}$	±0.25pF	GRM1554C1H1R1CA01#	COM		W	
	$W_{100}$		1.2pF	±0.05pF	GRM1554C1H1R2WA01#	COM.			3.0pF
	-xx1 10	10.X·	Mor	±0.1pF	GRM1554C1H1R2BA01#	COMITY	-1		
W	111.	OOY	Co	±0.25pF	GRM1554C1H1R2CA01#	OY.	N		
	WWW.	100	1.3pF	±0.05pF	GRM1554C1H1R3WA01#	ON COM	W		3.1pF
		700	- CC	±0.1pF	GRM1554C1H1R3BA01#	COM.			
		x 10	01.	±0.25pF	GRM1554C1H1R3CA01#	100 J. $COM$	7.		
	WW	1	1.4pF	±0.05pF	GRM1554C1H1R4WA01#	11007.C	TW		3.2pF
	TATA	11.7		±0.1pF	GRM1554C1H1R4BA01#	COL	TTV.	N .	
		XIVI	700	±0.25pF	GRM1554C1H1R4CA01#	M.300 ~ CO	Mr	KN	
	W		1.5pF	±0.05pF	GRM1554C1H1R5WA01#	1001	$M_{J}$		3.3pF
	V		100	±0.1pF	GRM1554C1H1R5BA01#	1007.0			
	4		11.10	±0.25pF	GRM1554C1H1R5CA01#	MAN. OOX.	Oh	TV	
		N 1	1.6pF	±0.05pF	GRM1554C1H1R6WA01#	W.Inc	$CO_{N}$		3.4pF
		1111	-xx 1	±0.1pF	GRM1554C1H1R6BA01#	100 x	- c01	1.7	
		1	N VI	±0.25pF	GRM1554C1H1R6CA01#	W 100	Y.C.	.M.	
			1.7pF	±0.05pF	GRM1554C1H1R7WA01#	WWW.	V.C		3.5pF
				±0.1pF	GRM1554C1H1R7BA01#		~√ C	$O_{IM}$	
			11 11	±0.25pF	GRM1554C1H1R7CA01#		00 r.	400	
			1.8pF	±0.05pF	GRM1554C1H1R8WA01#	- WW	1007		3.6pF
			N/	±0.1pF	GRM1554C1H1R8BA01#		.003	L.CU	
				±0.25pF	GRM1554C1H1R8CA01#		1.700	J C	
			1.9pF	±0.05pF	GRM1554C1H1R9WA01#		0.100	13.	3.7pF
				±0.1pF	GRM1554C1H1R9BA01#		×110	01.	
				±0.25pF	GRM1554C1H1R9CA01#		1111-2	OOX	
			2.0pF	±0.05pF	GRM1554C1H2R0WA01#		WW.	100	3.8pF
				±0.1pF	GRM1554C1H2R0BA01#	11		100	), p.o.p.
				±0.25pF	GRM1554C1H2R0CA01#		MAN .	s 10	
		CJ	2.1pF	±0.05pF	GRM1553C1H2R1WA01#	TW	WW	N.3	3.9pF
			P'	±0.1pF	GRM1553C1H2R1BA01#	Le Maria	TAT X	1.1	U ⊕. GP1
				±0.25pF	GRM1553C1H2R1CA01#	W.F.W	MA	et N.	
			İ	_55pi			47/	V 44.	
			2 2nF	+0.05nF	GRM1553C1H2B2WA01#		4.4	CH	4 0nF
			2.2pF	±0.05pF	GRM1553C1H2R2WA01#	M. I		CH	4.0pF
			2.2pF	±0.05pF ±0.1pF ±0.25pF	GRM1553C1H2R2WA01# GRM1553C1H2R2BA01# GRM1553C1H2R2CA01#	ONI.TW		CH	4.0pF

max.	Voltage	Code	LAND.			
0.55mm	50Vdc	CJ	2.3pF	±0.1pF	GRM1553C1H2R3BA01#	
	JU - ≪1 (	ON	L. L.	±0.25pF	GRM1553C1H2R3CA01#	
	00%.		2.4pF	±0.05pF	GRM1553C1H2R4WA01#	
	1007			±0.1pF	GRM1553C1H2R4BA01#	
	.10	V.C		±0.25pF	GRM1553C1H2R4CA01#	
	N.100	-7 (	2.5pF	±0.05pF	GRM1553C1H2R5WA01#	
	-xi 10	01.		±0.1pF	GRM1553C1H2R5BA01#	
	1	OV.		±0.25pF	GRM1553C1H2R5CA01#	
	M.,		2.6pF	±0.05pF	GRM1553C1H2R6WA01#	
	WW	100		±0.1pF	GRM1553C1H2R6BA01#	
		1 100		±0.25pF	GRM1553C1H2R6CA01#	
	WW	1	2.7pF	±0.05pF	GRM1553C1H2R7WA01#	
	wW	11. 1.		±0.1pF	GRM1553C1H2R7BA01#	
	1	TVI.		±0.25pF	GRM1553C1H2R7CA01#	
	11/1		2.8pF	±0.05pF	GRM1553C1H2R8WA01#	
	W	MAG		±0.1pF	GRM1553C1H2R8BA01#	
		W		±0.25pF	GRM1553C1H2R8CA01#	
			2.9pF	±0.05pF	GRM1553C1H2R9WA01#	
		M. A.	- XX 1	±0.1pF	GRM1553C1H2R9BA01#	
		W		±0.25pF	GRM1553C1H2R9CA01#	
			3.0pF	±0.05pF	GRM1553C1H3R0WA01#	
	-1			±0.1pF	GRM1553C1H3R0BA01#	
	N	1		±0.25pF	GRM1553C1H3R0CA01#	
	W		3.1pF	±0.05pF	GRM1553C1H3R1WA01#	
	- 1		TAIN!	±0.1pF	GRM1553C1H3R1BA01#	
	J. 11			±0.25pF	GRM1553C1H3R1CA01#	
	TW		3.2pF	±0.05pF	GRM1553C1H3R2WA01#	
	TY	V		±0.1pF	GRM1553C1H3R2BA01#	
	Mr	(N		±0.25pF	GRM1553C1H3R2CA01#	
	$M_{i,j}$		3.3pF	±0.05pF	GRM1553C1H3R3WA01#	s.1
				±0.1pF	GRM1553C1H3R3BA01#	
	Oh	TV		±0.25pF	GRM1553C1H3R3CA01#	W
	$CO_{N}$		3.4pF	±0.05pF	GRM1553C1H3R4WA01#	
	· c01	17:7		±0.1pF	GRM1553C1H3R4BA01#	
	Y.C.	M.T		±0.25pF	GRM1553C1H3R4CA01#	1.3
	V.C	17.	3.5pF	±0.05pF	GRM1553C1H3R5WA01#	A I
	ov C	$O_{M_T}$	TIN	±0.1pF	GRM1553C1H3R5BA01#	ZW B
	00 7.	0		±0.25pF	GRM1553C1H3R5CA01#	)/v
	1001.		3.6pF	±0.05pF	GRM1553C1H3R6WA01#	, n'
	1001	CO	T	±0.1pF	GRM1553C1H3R6BA01#	<i>.</i>
	1.Tag	V.C		±0.25pF	GRM1553C1H3R6CA01#	C
	$\sqrt{100}$	3.7	3.7pF	±0.05pF	GRM1553C1H3R7WA01#	7 (
	-x1 10	01.		±0.1pF	GRM1553C1H3R7BA01#	
	111.	OOX		±0.25pF	GRM1553C1H3R7CA01#	N
	WW.	100	3.8pF	±0.05pF	GRM1553C1H3R8WA01#	101
	TATAN	700	100	±0.1pF	GRM1553C1H3R8BA01#	90
	M.	KI 10		±0.25pF	GRM1553C1H3R8CA01#	
	WW	1	3.9pF	±0.05pF	GRM1553C1H3R9WA01#	
	TATE OF	41.7	W	±0.1pF	GRM1553C1H3R9BA01#	
	111	TIN.		±0.25pF	GRM1553C1H3R9CA01#	
	W	СН	4.0pF	±0.05pF	GRM1552C1H4R0WA01#	
				±0.1pF	GRM1552C1H4R0BA01#	
				±0.25pF	GRM1552C1H4R0CA01#	
			4.1pF	±0.05pF	GRM1552C1H4R1WA01#	
	<u> </u>				cates the package specification	00-1

Tol.

Part Number

# GJM Series

GMA Series

GQM Series GMD Series

GR3 Series | GRJ Series

## **GRM Series Temperature Compensating Type** Part Number List

T max.	Rated Voltage	TC	Cap.	Tol.	Part Number	WY	T max.	Rated Voltage	TC Code	Cap.	Tol.	Part Number	
0.55mm	50Vdc	CH	4.1pF	±0.1pF	GRM1552C1H4R1BA01#		0.55mm	50Vdc	CH	5.7pF	±0.1pF	GRM1552C1H5R7BA01#	
			M. N.	±0.25pF	GRM1552C1H4R1CA01#			01.	MO	J.A.	±0.25pF	GRM1552C1H5R7CA01#	-
			4.2pF	±0.05pF	V CUE			001.			±0.5pF	GRM1552C1H5R7DA01#	
			-313	±0.1pF	GRM1552C1H4R2BA01#				CO	5.8pF	±0.05pF	GRM1552C1H5R8WA01#	
	TW			±0.25pF	GRM1552C1H4R2CA01#			1001	-7 CS	Win	±0.1pF	GRM1552C1H5R8BA01#	
	TW		4.3pF	±0.05pF				N 100	1.		±0.25pF	GRM1552C1H5R8CA01#	
	17	N		±0.1pF	GRM1552C1H4R3BA01#			10	J.Y.C		±0.5pF	GRM1552C1H5R8DA01#	
	Mrr	<b>- 1</b>		±0.25pF	GRM1552C1H4R3CA01#			W.10		5.9pF	±0.05pF	GRM1552C1H5R9WA01#	
	OMI	N	4.4pF	±0.05pF	GRM1552C1H4R4WA01#	-1		NW.L		O.Opi	±0.1pF	GRM1552C1H5R9BA01#	
	0.	W	4.4pi	±0.00pi	GRM1552C1H4R4BA01#				100		±0.25pF	GRM1552C1H5R9CA01#	
	COM			±0.25pF	GRM1552C1H4R4CA01#	W		WW.	- 100		±0.5pF	GRM1552C1H5R9DA01#	
	c01		4.5pF	±0.25pi	GRM1552C1H4R5WA01#	- 1		TWV	1.70	6.0pF	±0.05pF	GRM1552C1H6R0WA01#	
		$\Lambda$ . $\Gamma$	4.5pr	- 4	GRM1552C1H4R5BA01#			NY '	W.19	6.0рг	147.		
	Y.CU	- 11	W	±0.1pF	4003	1.5		MA	1		±0.1pF	GRM1552C1H6R0BA01#	
	of C	Dir.	4.0-5	±0.25pF		12.		WV	1111.		±0.25pF	GRM1552C1H6R0CA01#	
	0 7.	OM	4.6pF	±0.05pF		M.		-31	WW	0.1-5	±0.5pF	GRM1552C1H6R0DA01#	
	00 X.		LTW	±0.1pF	GRM1552C1H4R6BA01#	M		111		6.1pF	±0.05pF	GRM1552C1H6R1WA01#	
	100Y	$C_{\Omega_{P}}$	- 1-12-1	±0.25pF	GRM1552C1H4R6CA01#	0-1					±0.1pF	GRM1552C1H6R1BA01#	
	10	CC	4.7pF	±0.05pF	GRM1552C1H4R7WA01#				WW		±0.25pF	GRM1552C1H6R1CA01#	
	1.100		$OM_T$	±0.1pF	GRM1552C1H4R7BA01#	-0				NAL T	±0.5pF	GRM1552C1H6R1DA01#	
	-110	N.C		±0.25pF	GRM1552C1H4R7CA01#					6.2pF	±0.05pF	GRM1552C1H6R2WA01#	
	11.1	ov.	4.8pF	±0.05pF	GRM1552C1H4R8WA01#	<u>7.C</u>			1		±0.1pF	GRM1552C1H6R2BA01#	
	UN.1	00 - 1	COM	±0.1pF	GRM1552C1H4R8BA01#			N	4		±0.25pF	GRM1552C1H6R2CA01#	
	WW.	1007		±0.25pF	GRM1552C1H4R8CA01#	0 5.		-7		- TATE	±0.5pF	GRM1552C1H6R2DA01#	
		100	4.9pF	±0.05pF	GRM1552C1H4R9WA01#	001				6.3pF	±0.05pF	GRM1552C1H6R3WA01#	
	NWV	.10	V.CC	±0.1pF	GRM1552C1H4R9BA01#			TW			±0.1pF	GRM1552C1H6R3BA01#	
		N.10	0 -	±0.25pF	GRM1552C1H4R9CA01#	Too		TXV			±0.25pF	GRM1552C1H6R3CA01#	
	WW	-xxi 1	5.0pF	±0.05pF	GRM1552C1H5R0WA01#	v 10		1.7	1		±0.5pF	GRM1552C1H6R3DA01#	
	W	1111	100Y.	±0.1pF	GRM1552C1H5R0BA01#	1		VI.IV		6.4pF	±0.05pF	GRM1552C1H6R4WA01#	
		NW	100	±0.25pF	GRM1552C1H5R0CA01#	M.		T	N		±0.1pF	GRM1552C1H6R4BA01#	
			5.1pF	±0.05pF	GRM1552C1H5R1WA01#	W.		DW:	CW		±0.25pF	GRM1552C1H6R4CA01#	N
			A 100	±0.1pF	GRM1552C1H5R1BA01#			MO			±0.5pF	GRM1552C1H6R4DA01#	
		WW	10	±0.25pF	GRM1552C1H5R1CA01#	M.			TW	6.5pF	±0.05pF	GRM1552C1H6R5WA01#	N
			111.77	±0.5pF	GRM1552C1H5R1DA01#	WW		$CO_{\lambda_1}$			±0.1pF	GRM1552C1H6R5BA01#	TV
			5.2pF	±0.05pF	GRM1552C1H5R2WA01#			7 CO	17. 7		±0.25pF	GRM1552C1H6R5CA01#	
		1	- 1	±0.1pF	GRM1552C1H5R2BA01#				M.		±0.5pF	GRM1552C1H6R5DA01#	1.7
			MAN	±0.25pF	GRM1552C1H5R2CA01#	W		N.C.	- 1	6.6pF	±0.05pF	GRM1552C1H6R6WA01#	M.
			- TVV	±0.5pF	GRM1552C1H5R2DA01#			. C	$O_{N_{P}}$		±0.1pF	GRM1552C1H6R6BA01#	. 10
			5.3pF	±0.05pF	GRM1552C1H5R3WA01#			JU =	COD		±0.25pF	GRM1552C1H6R6CA01#	)IA
			WW	±0.1pF	GRM1552C1H5R3BA01#			1001			±0.5pF	GRM1552C1H6R6DA01#	
			W	±0.25pF	GRM1552C1H5R3CA01#			1,1005		6.7pF	±0.05pF	GRM1552C1H6R7WA01#	
				±0.5pF	GRM1552C1H5R3DA01#			1.10	V.C		±0.1pF	GRM1552C1H6R7BA01#	Cr
			5.4pF	±0.05pF	GRM1552C1H5R4WA01#			N.100			±0.25pF	GRM1552C1H6R7CA01#	7 C
			4	±0.1pF	GRM1552C1H5R4BA01#			×110	01.		±0.5pF	GRM1552C1H6R7DA01#	
				±0.25pF	GRM1552C1H5R4CA01#	V		1111	001	6.8pF	±0.05pF	GRM1552C1H6R8WA01#	N.
				±0.5pF	GRM1552C1H5R4DA01#			WW.	100		±0.1pF	GRM1552C1H6R8BA01#	N
			5.5pF	±0.05pF	GRM1552C1H5R5WA01#			TIN	100		±0.25pF	GRM1552C1H6R8CA01#	
				±0.1pF	GRM1552C1H5R5BA01#	TVI		MAIN	ct 10		±0.5pF	GRM1552C1H6R8DA01#	
				±0.25pF	21 N - 2 CO N -	TV		WW	N.F	6.9pF	±0.05pF	CX	
				±0.5pF	GRM1552C1H5R5DA01#			WW	$\sqrt{1}$		±0.1pF	GRM1552C1H6R9BA01#	
			5.6pF	±0.05pF	1	T.IV		111.	TXV.		±0.25pF		
			2.00	±0.1pF	GRM1552C1H5R6BA01#	- K		W	W 4.		±0.5pF	GRM1552C1H6R9DA01#	
				±0.25pF	30100	JAN.				7.0pF	±0.05pF		
				±0.25pi	GRM1552C1H5R6DA01#	OM				المان. ،	±0.03pi	GRM1552C1H7R0BA01#	
			5.7pF	±0.05pF	- 100 x-1						±0.25pF		
			3.7pr	±0.05pr	GAINTIOSZOTASKI WAUT#							GINIVI 1992C ITT HUCAUT#	

(→ **1.**0×0.5mm)

T max.	Rated Voltage	TC Code	Cap.	Tol.	Part Number		T max.	Rated Voltage	TC Code	Сар.	Tol.
5mm	50Vdc	СН	7.0pF	±0.5pF	GRM1552C1H7R0DA01#		0.55mm	50Vdc	СН	8.4pF	±0.1pF
			7.1pF	±0.05pF	GRM1552C1H7R1WA01#		W.19		Mo		±0.25pF
	W			±0.1pF	GRM1552C1H7R1BA01#		-X1 1				±0.5pF
				±0.25pF	GRM1552C1H7R1CA01#		MM.		Co	8.5pF	±0.05pF
M	.7			±0.5pF	GRM1552C1H7R1DA01#		TWW		J CC		±0.1pF
	TIN		7.2pF	±0.05pF	GRM1552C1H7R2WA01#		VI		7.		±0.25pF
	T	V		±0.1pF	GRM1552C1H7R2BA01#		MM		01.0		±0.5pF
CC	Mr	XV.		±0.25pF	GRM1552C1H7R2CA01#		WW		MY.	8.6pF	±0.05pF
	$O_{M',I}$			±0.5pF	GRM1552C1H7R2DA01#	NI	-31		0		±0.1pF
		IN	7.3pF	±0.05pF	GRM1552C1H7R3WA01#	-	11		700		±0.25pF
V.	COR			±0.1pF	GRM1552C1H7R3BA01#	111	V		1 100		±0.5pF
				±0.25pF	GRM1552C1H7R3CA01#	TW	-		- 10	8.7pF	±0.05pF
		$M^{*}r$		±0.5pF	GRM1552C1H7R3DA01#	- XX			$M^{*r}$		±0.1pF
	1.0	M	7.4pF	±0.05pF	GRM1552C1H7R4WA01#	T.F.			W.1		±0.25pF
	oy.Cv	72.		±0.1pF	GRM1552C1H7R4BA01#	WI.IN			N \		±0.5pF
	V.C	$O_{N_{I}}$		±0.25pF	GRM1552C1H7R4CA01#	T	N		MAL	8.8pF	±0.05pF
1.1	00 1.	con		±0.5pF	GRM1552C1H7R4DA01#	DIA:	XX		OVI		±0.1pF
			7.5pF	±0.05pF	GRM1552C1H7R5WA01#	OM.					±0.25pF
	. 100	I.C.		±0.1pF	GRM1552C1H7R5BA01#	~~1	TW		MAI		±0.5pF
W	1.700	v.C		±0.25pF	GRM1552C1H7R5CA01#	Ce) in.	WT			8.9pF	±0.05pF
	$W_{100}$	7 (		±0.5pF	GRM1552C1H7R5DA01#	J CON	1. ×				±0.1pF
		001.	7.6pF	±0.05pF	GRM1552C1H7R6WA01#		M.J.				±0.25pF
V	1111	007		±0.1pF	GRM1552C1H7R6BA01#	7	TIME		1		±0.5pF
		100		±0.25pF	GRM1552C1H7R6CA01#	ON C	JME A			9.0pF	±0.05pF
		700		±0.5pF	GRM1552C1H7R6DA01#	<del></del>	OM.				±0.1pF
	N. A.	x 10	7.7pF	±0.05pF	GRM1552C1H7R7WA01#	100, 1.	MOD				±0.25pF
		1		±0.1pF	GRM1552C1H7R7BA01#	1007	.CO				±0.5pF
		111.7		±0.25pF	GRM1552C1H7R7CA01#	400	Y.CO		1	9.1pF	±0.05pF
		NW		±0.5pF	GRM1552C1H7R7DA01#	Mira	~ CO				±0.1pF
		-10	7.8pF	±0.05pF	GRM1552C1H7R8WA01#	TW 10	17.				±0.25pF
				±0.1pF	GRM1552C1H7R8BA01#	<del></del>	00 X .		LM.		±0.5pF
		NV		±0.25pF	GRM1552C1H7R8CA01#	M.,	. Any		TV	9.2pF	±0.05pF
				±0.5pF	GRM1552C1H7R8DA01#	WW.	TO				±0.1pF
			7.9pF	±0.05pF	GRM1552C1H7R9WA01#		1.700 7		1.7		±0.25pF
		W		±0.1pF	GRM1552C1H7R9BA01#	Man.	× 100		$N^{T}$		±0.5pF
				±0.25pF	GRM1552C1H7R9CA01#	WW	10		- N	9.3pF	±0.05pF
				±0.5pF	GRM1552C1H7R9DA01#		111.70		$O_{M}$		±0.1pF
			8.0pF	±0.05pF	GRM1552C1H8R0WA01#		WW.1		~OD		±0.25pF
				±0.1pF	GRM1552C1H8R0BA01#	1	TXXI				±0.5pF
				±0.25pF	GRM1552C1H8R0CA01#		MAL		CO	9.4pF	±0.05pF
				±0.5pF	GRM1552C1H8R0DA01#		WWW		V.C		±0.1pF
			8.1pF	±0.05pF	GRM1552C1H8R1WA01#		WW		-7 (		±0.25pF
				±0.1pF	GRM1552C1H8R1BA01#		1111		01.		±0.5pF
				±0.25pF	GRM1552C1H8R1CA01#		WV		OOY	9.5pF	±0.05pF
				±0.5pF	GRM1552C1H8R1DA01#		XX		001		±0.1pF
			8.2pF	±0.05pF	GRM1552C1H8R2WA01#	-1			.100		±0.25pF
				±0.1pF	GRM1552C1H8R2BA01#	LA			v 10		±0.5pF
				±0.25pF	GRM1552C1H8R2CA01#	TW			-11	9.6pF	±0.05pF
				±0.5pF	GRM1552C1H8R2DA01#	-CVV			11.7		±0.1pF
			8.3pF	±0.05pF	GRM1552C1H8R3WA01#	11.	1		WW.		±0.25pF
				±0.1pF	GRM1552C1H8R3BA01#	M.TV	N				±0.5pF
				±0.25pF	GRM1552C1H8R3CA01#	T	N			9.7pF	±0.05pF
				±0.5pF	GRM1552C1H8R3DA01#	OAr.					±0.1pF
			8.4pF	±0.05pF	GRM1552C1H8R4WA01#						±0.25pF

Part Number

GRM1552C1H8R4BA01# GRM1552C1H8R4CA01# GRM1552C1H8R4DA01# GRM1552C1H8R5WA01#

GRM1552C1H8R5BA01# GRM1552C1H8R5CA01# GRM1552C1H8R5DA01# GRM1552C1H8R6WA01#

GRM1552C1H8R6BA01#
GRM1552C1H8R6CA01#
GRM1552C1H8R6DA01#
GRM1552C1H8R7WA01#
GRM1552C1H8R7CA01#
GRM1552C1H8R7CA01#
GRM1552C1H8R7DA01#
GRM1552C1H8R8WA01#
GRM1552C1H8R8BA01#
GRM1552C1H8R8BA01#
GRM1552C1H8R8DA01#
GRM1552C1H8R8DA01#
GRM1552C1H8R8DA01#
GRM1552C1H8R8DA01#
GRM1552C1H8R9WA01#

GRM1552C1H8R9CA01# GRM1552C1H8R9DA01# GRM1552C1H9R0WA01#

GJM Series

GMA Series ∬ G

## **GRM Series Temperature Compensating Type** Part Number List

#### (→ **■** 1.0×0.5mm)

T max.	Rated Voltage	TC Code	Сар.	Tol.	Part Number	
55mm	50Vdc	СН	9.7pF	±0.5pF	GRM1552C1H9R7DA01#	
			9.8pF	±0.05pF	GRM1552C1H9R8WA01#	
				±0.1pF	GRM1552C1H9R8BA01#	
	TW			±0.25pF	GRM1552C1H9R8CA01#	
	. 1			±0.5pF	GRM1552C1H9R8DA01#	
	LIV		9.9pF	±0.05pF	GRM1552C1H9R9WA01#	
	TI	N		±0.1pF	GRM1552C1H9R9BA01#	
	Mr.	W		±0.25pF	GRM1552C1H9R9CA01#	
	$0_{M^*}$	- 1		±0.5pF	GRM1552C1H9R9DA01#	
	Mo	LA	10pF	±2%	GRM1552C1H100GA01#	
		W		±5%	GRM1552C1H100JA01#	P
	$CO_{\tilde{D}}$		12pF	±2%	GRM1552C1H120GA01#	17
	- c0	$M_{I,I}$		±5%	GRM1552C1H120JA01#	
	1.0	M	15pF	±2%	GRM1552C1H150GA01#	
	N.C.	) N	TW	±5%	GRM1552C1H150JA01#	Ń
1.100 x	$O_{N_I}$	18pF	±2%	GRM1552C1H180GA01#		
	00  r.	000	V.L.	±5%	GRM1552C1H180JA01#	1
	1007		22pF	±2%	GRM1552C1H220GA01#	_
	. 007	Z.CU	T.	±5%	GRM1552C1H220JA01#	
	1.700	<7 C	27pF	±2%	GRM1552C1H270GA01#	
	N 10	17.	2761	±5%	GRM1552C1H270JA01#	_
	-11	07.	33pF	±2%	GRM1552C1H330GA01#	-
	1111-		ООРІ	±5%	GRM1552C1H330JA01#	7
	WW.	100	39pF	±2%	GRM1552C1H390GA01#	_
	1	100	Зэрі	±5%	GRM1552C1H390JA01#	
	MAN	- 10	47pF	±2%	GRM1552C1H470GA01#	Ù
	WW	11.20	4/6	±5%	GRM1552C1H470JA01#	
	1	$\sqrt{N}$ .	EGDE	- N	1 2010	7
			56pF	±2%	GRM1552C1H560GA01# GRM1552C1H560JA01#	ĺ
	W	Was	00-F	±5%		
		WV	68pF	±2%	GRM1552C1H680GA01#	V
			00 F	±5%	GRM1552C1H680JA01#	Ú
	-	MAA	82pF	±2%	GRM1552C1H820GA01#	
		W	100 51	±5%	GRM1552C1H820JA01#	
		- 1	100pF	±2%	GRM1552C1H101GA01#	d
		11	-3150	±5%	GRM1552C1H101JA01#	
		1	120pF	±2%	GRM1552C1H121GA01#	1
				±5%	GRM1552C1H121JA01#	
			150pF	±2%	GRM1552C1H151GA01#	
			111	±5%	GRM1552C1H151JA01#	
			180pF	±2%	GRM1552C1H181GA01#	
			- 1	±5%	GRM1552C1H181JA01#	
			220pF	±2%	GRM1552C1H221GA01#	
				±5%	GRM1552C1H221JA01#	
			270pF	±2%	GRM1552C1H271GA01#	
				±5%	GRM1552C1H271JA01#	1
			330pF	±2%	GRM1552C1H331GA01#	
				±5%	GRM1552C1H331JA01#	1
			390pF	±2%	GRM1552C1H391GA01#	ſ
				±5%	GRM1552C1H391JA01#	
			470pF	±2%	GRM1552C1H471GA01#	_0
				±5%	GRM1552C1H471JA01#	J
			560pF	±2%	GRM1552C1H561GA01#	
				±5%	GRM1552C1H561JA01#	)\
	I	1	680pF	±2%	GRM1552C1H681GA01#	_

T max.	Rated Voltage	TC Code	Cap.	Tol.	Part Number
0.55mm	50Vdc	СН	680pF	±5%	GRM1552C1H681JA01#
	)U 1.	MO	820pF	±2%	GRM1552C1H821GA01#
	00×.		V.I.M.	±5%	GRM1552C1H821JA01#
	1007	Co	1000pF	±2%	GRM1552C1H102GA01#
	.10	J.CC		±5%	GRM1552C1H102JA01#
	10Vdc	SL	1200pF	±5%	GRM1551X1A122JA01#
	-x 10	Di.	1500pF	±5%	GRM1551X1A152JA01#
	1	OY.	1800pF	±5%	GRM1551X1A182JA01#
	$MM^{-1}$	-05	2200pF	±5%	GRM1551X1A222JA01#
	WIXE	700	2700pF	±5%	GRM1551X1A272JA01#
		1 100	3300pF	±5%	GRM1551X1A332JA01#
	WW	-10	3900pF	±5%	GRM1551X1A392JA01#
	wW	W.r.	4700pF	±5%	GRM1551X1A472JA01#
	1	U2J	1200pF	±5%	GRM1557U1A122JA01#
	1111	-78.3	1500pF	±5%	GRM1557U1A152JA01#
	W	William	1800pF	±5%	GRM1557U1A182JA01#
		UVV	2200pF	±5%	GRM1557U1A222JA01#
		-733	2700pF	±5%	GRM1557U1A272JA01#
		W.	3300pF	±5%	GRM1557U1A332JA01#
		W	3900pF	±5%	GRM1557U1A392JA01#
		11	4700pF	±5%	GRM1557U1A472JA01#
	<b>=</b> 1	UJ	1200pF	±5%	GRM1553U1A122JA01#
	N		1500pF	±5%	GRM1553U1A152JA01#
	W		1800pF	±5%	GRM1553U1A182JA01#
			2200pF	±5%	GRM1553U1A222JA01#
	1		2700pF	±5%	GRM1553U1A272JA01#
	LTW		3300pF	±5%	GRM1553U1A332JA01#
	VTI	V	3900pF	±5%	GRM1553U1A392JA01#
	Mr.	W	4700pF	±5%	GRM1553U1A472JA01#

#### ■ 1.6×0.8mm

max.	Rated Voltage	Code	Сар.	Tol.	Part Number	II
0.5mm	50Vdc	SL	2200pF	±5%	GRM1851X1H222JA44#	1.7
	OY.C	- 7/	2700pF	±5%	GRM1851X1H272JA44#	M.
	NY.C	$O_{Nr}$	3300pF ±5% <b>GRM1851X1H</b>	GRM1851X1H332JA44#	7.4	
	UU =	COD	3900pF	±5%	GRM1851X1H392JA44#	$\mathfrak{I}_{M_1}$
	100%	30	4700pF	±5%	GRM1851X1H472JA44#	10
	1005	U2J	2200pF	±5%	GRM1857U1H222JA44#	
	1.20	V.C	2700pF	±5%	GRM1857U1H272JA44#	Cc
	W.100	-7 (	3300pF	±5%	GRM1857U1H332JA44#	1 C
	11. VX	01.	3900pF	±5%	GRM1857U1H392JA44#	- (
WV	1	OOX	4700pF	±5%	GRM1857U1H472JA44#	27.
	MM.	UJ	2200pF	±5%	GRM1853U1H222JA44#	M
	TWW	700	2700pF	±5%	GRM1853U1H272JA44#	0
	N V	V.10	3300pF	±5%	GRM1853U1H332JA44#	
	MM.		3900pF	±5%	GRM1853U1H392JA44#	
	WW	111.7	4700pF	±5%	GRM1853U1H472JA44#	
	10Vdc	SL	5600pF	±5%	GRM1851X1A562JA44#	
	-W		6800pF	±5%	GRM1851X1A682JA44#	
			8200pF	±5%	GRM1851X1A822JA44#	
			10000pF	±5%	GRM1851X1A103JA44#	
		U2J	5600pF	±5%	GRM1857U1A562JA44#	

T max.	Rated Voltage	TC Code	Сар.	Tol.	Part Number
).5mm	10Vdc	U2J	6800pF	±5%	GRM1857U1A682JA44#
			8200pF	±5%	GRM1857U1A822JA44#
	W		10000pF	±5%	GRM1857U1A103JA44#
	TIN	UJ	5600pF	±5%	GRM1853U1A562JA44#
			6800pF	±5%	GRM1853U1A682JA44#
	LIN		8200pF	±5%	GRM1853U1A822JA44#
	TT	V	10000pF	±5%	GRM1853U1A103JA44#
0.9mm	100Vdc	COG	0.50pF	±0.05pF	GRM1885C2AR50WA01#
	OM.			±0.1pF	GRM1885C2AR50BA01#
	. Mo.	IM	0.60pF	±0.05pF	GRM1885C2AR60WA01#
	Cor	TV		±0.1pF	GRM1885C2AR60BA01#
	$CO_{\overline{N}}$	1.0	0.70pF	±0.05pF	GRM1885C2AR70WA01#
	· c0	$N_{I,I}$		±0.1pF	GRM1885C2AR70BA01#
	1.00	M	0.80pF	±0.05pF	GRM1885C2AR80WA01#
	NY.C	) III	TW	±0.1pF	GRM1885C2AR80BA01#
	~ (	$O_{N_I}$	0.90pF	±0.05pF	GRM1885C2AR90WA01#
	001.	200	$T_{i,j,j,j}$	±0.1pF	GRM1885C2AR90BA01#
	1001		1.0pF	±0.05pF	GRM1885C2A1R0WA01#
		Z.CC	IN A T	±0.1pF	GRM1885C2A1R0BA01#
	1.700	VC.	$0_{Mr}$	±0.25pF	GRM1885C2A1R0CA01#
	N.100	7.	1.1pF	±0.05pF	GRM1885C2A1R1WA01#
	-7.10	07.	J. Ipi	±0.1pF	GRM1885C2A1R1BA01#
	1111.		$C_{O_{2i}}$	±0.25pF	GRM1885C2A1R1CA01#
N ]	WW.	100 -	1.2pF	±0.05pF	
	1	100	1.201	±0.1pF	GRM1885C2A1R2BA01#
	MAN	10	OY.CC	- 10	GRM1885C2A1R2CA01#
	WW	11.70	1.2nE	±0.25pF	
	11	$\sqrt{N}$ .	1.3pF	±0.05pF	GRM1885C2A1R3WA01#
	11/1/	-	100%	±0.1pF	GRM1885C2A1R3BA01#
	W	Mari	1.455	±0.25pF	GRM1885C2A1R3CA01#
	- 1		1.4pF	±0.05pF	GRM1885C2A1R4WA01#
			N.100	±0.1pF	GRM1885C2A1R4BA01#
	-	MAN	-d 10	±0.25pF	GRM1885C2A1R4CA01#
		W	1.5pF	±0.05pF	3 7 11
			$NN^{-1}$	±0.1pF	GRM1885C2A1R5BA01#
			- XIVI	70	GRM1885C2A1R5CA01#
		1	1.6pF	±0.05pF	GRM1885C2A1R6WA01#
			WWW	±0.1pF	GRM1885C2A1R6BA01#
				±0.25pF	GRM1885C2A1R6CA01#
			1.7pF	±0.05pF	GRM1885C2A1R7WA01#
			W	±0.1pF	GRM1885C2A1R7BA01#
			- 41	±0.25pF	GRM1885C2A1R7CA01#
			1.8pF	±0.05pF	GRM1885C2A1R8WA01#
				±0.1pF	GRM1885C2A1R8BA01#
				±0.25pF	GRM1885C2A1R8CA01#
			1.9pF	±0.05pF	GRM1885C2A1R9WA01#
				±0.1pF	GRM1885C2A1R9BA01#
				±0.25pF	GRM1885C2A1R9CA01#
			2.0pF	±0.05pF	GRM1885C2A2R0WA01#
				±0.1pF	GRM1885C2A2R0BA01#
				±0.25pF	GRM1885C2A2R0CA01#
			2.1pF	±0.05pF	
				±0.1pF	GRM1885C2A2R1BA01#
				±0.25pF	GRM1885C2A2R1CA01#
	I	I			- XX XX

T max.	Rated Voltage	TC Code	Сар.	Tol.	Part Number	
0.9mm	100Vdc	COG	2.2pF	±0.1pF	GRM1885C2A2R2BA01#	
	V = 1 (	CON	. 1	±0.25pF	GRM1885C2A2R2CA01#	
	001.	an1	2.3pF	±0.05pF	GRM1885C2A2R3WA01#	
	1001	Co		±0.1pF	GRM1885C2A2R3BA01#	
	.10	V.C	) Mr.	±0.25pF	GRM1885C2A2R3CA01#	
	N.100	×1 (	2.4pF	±0.05pF	GRM1885C2A2R4WA01#	
	xx 10	01.		±0.1pF	GRM1885C2A2R4BA01#	
	1	ON.	0	±0.25pF	GRM1885C2A2R4CA01#	
	MM.	003	2.5pF	±0.05pF	GRM1885C2A2R5WA01#	
	WW	Ina		±0.1pF	GRM1885C2A2R5BA01#	
		1.100	7.	±0.25pF	GRM1885C2A2R5CA01#	
	MM.	-110	2.6pF	±0.05pF	GRM1885C2A2R6WA01#	
	WW	W.r.		±0.1pF	GRM1885C2A2R6BA01#	
		JW.		±0.25pF	GRM1885C2A2R6CA01#	
		-73.7	2.7pF	±0.05pF	GRM1885C2A2R7WA01#	
	W	M.		±0.1pF	GRM1885C2A2R7BA01#	
		WW		±0.25pF	GRM1885C2A2R7CA01#	
			2.8pF	±0.05pF	GRM1885C2A2R8WA01#	
				±0.1pF	GRM1885C2A2R8BA01#	
		W		±0.25pF	GRM1885C2A2R8CA01#	
		1	2.9pF	±0.05pF	GRM1885C2A2R9WA01#	
	<b>=</b> 1			±0.1pF	GRM1885C2A2R9BA01#	
	N			±0.25pF	GRM1885C2A2R9CA01#	
	W		3.0pF	±0.05pF	GRM1885C2A3R0WA01#	
				±0.1pF	GRM1885C2A3R0BA01#	
	7.			±0.25pF	GRM1885C2A3R0CA01#	
	LIN		3.1pF	±0.05pF	GRM1885C2A3R1WA01#	
	TY	N .		±0.1pF	GRM1885C2A3R1BA01#	
	Mr	W)		±0.25pF	GRM1885C2A3R1CA01#	
	$\mathcal{M}_{I,I}$		3.2pF	±0.05pF	GRM1885C2A3R2WA01#	ĸī.
	. AM	L.M.		±0.1pF	GRM1885C2A3R2BA01#	
		TV		±0.25pF	GRM1885C2A3R2CA01#	M
	$CO_{M}$	1.	3.3pF	±0.05pF	GRM1885C2A3R3WA01#	T
	- c01	1.7		±0.1pF	GRM1885C2A3R3BA01#	
	Y. C	M.T		±0.25pF	GRM1885C2A3R3CA01#	1:1
	VY.CV	- K	3.4pF	±0.05pF	GRM1885C2A3R4WA01#	A .
	.v.C	Oly		±0.1pF	GRM1885C2A3R4BA01#	24
	00 1	400		±0.25pF	GRM1885C2A3R4CA01#	ЭM
	100%	40	3.5pF	±0.05pF	GRM1885C2A3R5WA01#	0
	. 1005	L.CU		±0.1pF	GRM1885C2A3R5BA01#	
	1.10	V.C		±0.25pF	GRM1885C2A3R5CA01#	Ċ
	N.100	-7 (	3.6pF	±0.05pF	GRM1885C2A3R6WA01#	J C
	-xx1 10	07.		±0.1pF	GRM1885C2A3R6BA01#	>
	1	OOY		±0.25pF	GRM1885C2A3R6CA01#	21.
	WW.	001	3.7pF	±0.05pF	GRM1885C2A3R7WA01#	101
	W	700		±0.1pF	GRM1885C2A3R7BA01#	000
	N. A.	v 10		±0.25pF	GRM1885C2A3R7CA01#	
	MM)	10	3.8pF	±0.05pF	GRM1885C2A3R8WA01#	
	WW	11.7		±0.1pF	GRM1885C2A3R8BA01#	
	111	WW.		±0.25pF	GRM1885C2A3R8CA01#	
	W	14.	3.9pF	±0.05pF	GRM1885C2A3R9WA01#	
				±0.1pF	GRM1885C2A3R9BA01#	
				±0.25pF	GRM1885C2A3R9CA01#	
				±0.23pi	GRIVI 1003CZA3R9CAU I#	

# GJM Series

GMA Series

# **GRM Series Temperature Compensating Type** Part Number List

( /	.0.0.0				_ = = 1		N.	1 CO)		41		
T max.	Rated Voltage	TC Code	Сар.	Tol.	Part Number	WV	T max.	Rated Voltage	TC Code	Сар.	Tol.	Part Number
0.9mm	100Vdc	COG	4.0pF	±0.1pF	GRM1885C2A4R0BA01#		0.9mm	100Vdc	COG	5.6pF	±0.25pF	GRM1885C2A5R6CA01#
			- ST	±0.25pF	GRM1885C2A4R0CA01#			-7 (	ON		±0.5pF	GRM1885C2A5R6DA01#
			4.1pF	±0.05pF	GRM1885C2A4R1WA01#			001.		5.7pF	±0.05pF	GRM1885C2A5R7WA01#
			WY	±0.1pF	GRM1885C2A4R1BA01#	-		1007	CO	TI	±0.1pF	GRM1885C2A5R7BA01#
			1	±0.25pF	GRM1885C2A4R1CA01#			.70	J.CC	DIAT.	±0.25pF	GRM1885C2A5R7CA01#
	V.T.V		4.2pF	±0.05pF	GRM1885C2A4R2WA01#			N.100		$O_{M',j}$	±0.5pF	GRM1885C2A5R7DA01#
	TI	N		±0.1pF	GRM1885C2A4R2BA01#			-xi 10	01.0	5.8pF	±0.05pF	GRM1885C2A5R8WA01#
	Mr.	XX		±0.25pF	GRM1885C2A4R2CA01#			111.	ory.	CON	±0.1pF	GRM1885C2A5R8BA01#
	OM.		4.3pF	±0.05pF	GRM1885C2A4R3WA01#	*1		$NM^{-1}$		$^{\iota}$ CO $_{ar{D}}$	±0.25pF	GRM1885C2A5R8CA01#
	Mo	IM		±0.1pF	GRM1885C2A4R3BA01#	-		- TV	700 :	- c0	±0.5pF	GRM1885C2A5R8DA01#
	COR	TV		±0.25pF	GRM1885C2A4R3CA01#	W			100	5.9pF	±0.05pF	GRM1885C2A5R9WA01#
	CON	1. 1	4.4pF	±0.05pF	GRM1885C2A4R4WA01#			NWW	10.2	N.C	±0.1pF	GRM1885C2A5R9BA01#
		$\Lambda_{I,I}$		±0.1pF	GRM1885C2A4R4BA01#			-TXN	M:77	, <b>√</b> (	±0.25pF	
	Y.Co	717		±0.25pF	GRM1885C2A4R4CA01#	T.T.		M.	- XX 1	001.	±0.5pF	GRM1885C2A5R9DA01#
	V.C	Diar.	4.5pF	±0.25pr	GRM1885C2A4R5WA01#			W	11.	6.0pF	±0.05pF	
	10 2	OM	4.5pi			W		- 1	WW	0.0pi	LCO.	
	001.		LTW	±0.1pF	GRM1885C2A4R5BA01#	- M				N.100	±0.1pF	GRM1885C2A6R0BA01#
	You	Co	10 5	±0.25pF	GRM1885C2A4R5CA01#				MAN	-x1 10°	±0.25pF	
	700	CC	4.6pF	±0.05pF	GRM1885C2A4R6WA01#	70 M			WW		±0.5pF	GRM1885C2A6R0DA01#
	N.100		OM.I	±0.1pF	GRM1885C2A4R6BA01#	-01				6.1pF	±0.05pF	
	100	Y.V		±0.25pF	GRM1885C2A4R6CA01#				W	-737	±0.1pF	GRM1885C2A6R1BA01#
	111.70	N.	4.7pF	±0.05pF	GRM1885C2A4R7WA01#	<u>LC</u> U			1	MAG	±0.25pF	GRM1885C2A6R1CA01#
	W.1	00 -	COM	±0.1pF	GRM1885C2A4R7BA01#	C C		N.			±0.5pF	GRM1885C2A6R1DA01#
	-33	1000		±0.25pF	GRM1885C2A4R7CA01#	07.		1		6.2pF	±0.05pF	GRM1885C2A6R2WA01#
	M.A.	400	4.8pF	±0.05pF	GRM1885C2A4R8WA01#	001.		111		MAG	±0.1pF	GRM1885C2A6R2BA01#
	N WY	.70	CC	±0.1pF	GRM1885C2A4R8BA01#	Last		W		WV	±0.25pF	GRM1885C2A6R2CA01#
	-31	N.10	01.	±0.25pF	GRM1885C2A4R8CA01#	700 -		. 1			±0.5pF	GRM1885C2A6R2DA01#
	MM	-s1 1	4.9pF	±0.05pF	GRM1885C2A4R9WA01#	1 100		LTW		6.3pF	±0.05pF	GRM1885C2A6R3WA01#
	WV	M	. NOV.	±0.1pF	GRM1885C2A4R9BA01#	-10		VTI	N.		±0.1pF	GRM1885C2A6R3BA01#
		NW	Joo	±0.25pF	GRM1885C2A4R9CA01#	M.To		Mr.	N		±0.25pF	GRM1885C2A6R3CA01#
	111		5.0pF	±0.05pF	GRM1885C2A5R0WA01#	TN.1		$OM_{II}$	- 41		±0.5pF	GRM1885C2A6R3DA01#
	V	MAN A	100	±0.1pF	GRM1885C2A5R0BA01#	**		. and	LM	6.4pF	±0.05pF	GRM1885C2A6R4WA01#
		WW	11.10	±0.25pF	GRM1885C2A5R0CA01#	11/1/		COM	TV		±0.1pF	GRM1885C2A6R4BA01#
			5.1pF	±0.05pF	GRM1885C2A5R1WA01#			$CO_{J_{i}}$		N	±0.25pF	GRM1885C2A6R4CA01#
		4/1		±0.1pF	GRM1885C2A5R1BA01#	1		- cO	$V_{I,I}$	-7	±0.5pF	GRM1885C2A6R4DA01#
		W	M M.	±0.25pF	GRM1885C2A5R1CA01#	44.		Y.C.	117	6.5pF	±0.05pF	GRM1885C2A6R5WA01#
			STWW	±0.5pF	GRM1885C2A5R1DA01#			V.C	) NA	TW	±0.1pF	GRM1885C2A6R5BA01#
			5.2pF	±0.05pF	GRM1885C2A5R2WA01#			-7 C	$O_{M}$	-33	±0.25pF	
			11.4	±0.1pF	GRM1885C2A5R2BA01#			00 x.		1.1.1.	±0.5pF	GRM1885C2A6R5DA01#
			WW	±0.25pF	GRM1885C2A5R2CA01#	<del>-</del> -		1001		6.6pF	±0.05pF	- 50
			- 11	11 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	GRM1885C2A5R2DA01#				CO	0.001	i i	GRM1885C2A6R6BA01#
			F 25F	±0.5pF		_		1.100		$DM_{IJ}$	±0.1pF	
			5.3pF	±0.05pF	GRM1885C2A5R3WA01#			W.100	X.C	·M.	±0.25pF	3 100
				±0.1pF	GRM1885C2A5R3BA01#	_		W	OV.	07.5	±0.5pF	GRM1885C2A6R6DA01#
				±0.25pF	GRM1885C2A5R3CA01#	1		M.77	×1	6.7pF	±0.05pF	
				±0.5pF	GRM1885C2A5R3DA01#			_TXN .1	001		±0.1pF	GRM1885C2A6R7BA01#
			5.4pF	±0.05pF	GRM1885C2A5R4WA01#	N_		M. A.	100	Y.Co.	±0.25pF	GRM1885C2A6R7CA01#
				±0.1pF	GRM1885C2A5R4BA01#	- 1 T		UWW	.70	J.CC	±0.5pF	GRM1885C2A6R7DA01#
				±0.25pF	GRM1885C2A5R4CA01#	7.7.			V.10	6.8pF	±0.05pF	GRM1885C2A6R8WA01#
				±0.5pF	GRM1885C2A5R4DA01#	TV		MAI	L 3 1	001	±0.1pF	GRM1885C2A6R8BA01#
			5.5pF	±0.05pF	GRM1885C2A5R5WA01#	_ TV		WW	11.	. You	±0.25pF	GRM1885C2A6R8CA01#
				±0.1pF	GRM1885C2A5R5BA01#	V. r		_<11	WW.	In.	±0.5pF	GRM1885C2A6R8DA01#
				±0.25pF	GRM1885C2A5R5CA01#	$T_{M_{A}}$		W.		6.9pF	±0.05pF	GRM1885C2A6R9WA01#
				±0.5pF	GRM1885C2A5R5DA01#	- N T					±0.1pF	GRM1885C2A6R9BA01#
			5.6pF	±0.05pF	GRM1885C2A5R6WA01#	$O_{\overline{A}_{I}}$ .					±0.25pF	GRM1885C2A6R9CA01#
				±0.1pF	GRM1885C2A5R6BA01#						±0.5pF	GRM1885C2A6R9DA01#

T max.	Rated Voltage	TC Code	Сар.	Tol.	Part Number	
.9mm	100Vdc	COG	7.0pF	±0.05pF	GRM1885C2A7R0WA01#	
				±0.1pF	GRM1885C2A7R0BA01#	
	W			±0.25pF	GRM1885C2A7R0CA01#	
	TVN			±0.5pF	GRM1885C2A7R0DA01#	
			7.1pF	±0.05pF	GRM1885C2A7R1WA01#	
	TIN			±0.1pF	GRM1885C2A7R1BA01#	
	TT	V		±0.25pF	GRM1885C2A7R1CA01#	
	Mr.	N		±0.5pF	GRM1885C2A7R1DA01#	
	$OM_{i,j}$		7.2pF	±0.05pF	GRM1885C2A7R2WA01#	1
	Mo	$I_M$		±0.1pF	GRM1885C2A7R2BA01#	
	Con	W		±0.25pF	GRM1885C2A7R2CA01#	V
	$CO_N$	1.0 -		±0.5pF	GRM1885C2A7R2DA01#	77
	- CO	$V_{r,T}$	7.3pF	±0.05pF	GRM1885C2A7R3WA01#	
	N.C.	.77	M.	±0.1pF	GRM1885C2A7R3BA01#	
	V.C	) N		±0.25pF	GRM1885C2A7R3CA01#	K
	~ 1	$O_{J/J}$		±0.5pF	GRM1885C2A7R3DA01#	
	001.		7.4pF	±0.05pF	GRM1885C2A7R4WA01#	N
	1007		VI.IV	±0.1pF	GRM1885C2A7R4BA01#	
	. 004	$C^{C}$		±0.25pF	GRM1885C2A7R4CA01#	
	1.700	<7 C		±0.5pF	GRM1885C2A7R4DA01#	Ċ
	W 100		7.5pF	±0.05pF	GRM1885C2A7R5WA01#	_
	7.10	OV.	7.5pi	±0.05pi	GRM1885C2A7R5BA01#	-
	MM·r			±0.25pF	GRM1885C2A7R5CA01#	Z
	WW.	$I_{\Omega\Omega}$ ,			GRM1885C2A7R5DA01#	
		100	7.0°F	±0.5pF	31 10	0
	MAN	- 10	7.6pF	±0.05pF	GRM1885C2A7R6WA01#	Û
	TAT W	N.r.		±0.1pF	GRM1885C2A7R6BA01#	
	1	W.1		±0.25pF	GRM1885C2A7R6CA01#	_
	11/1/		1997	±0.5pF	GRM1885C2A7R6DA01#	ď
	W	MAA	7.7pF	±0.05pF	GRM1885C2A7R7WA01#	_
		TWI		±0.1pF	GRM1885C2A7R7BA01#	
				±0.25pF	GRM1885C2A7R7CA01#	N
	4	WW.	1	±0.5pF	GRM1885C2A7R7DA01#	
			7.8pF	±0.05pF		1
				±0.1pF	GRM1885C2A7R8BA01#	16.7
				±0.25pF	GRM1885C2A7R8CA01#	17
		1		±0.5pF	GRM1885C2A7R8DA01#	1
			7.9pF	±0.05pF	GRM1885C2A7R9WA01#	
				±0.1pF	GRM1885C2A7R9BA01#	
				±0.25pF	GRM1885C2A7R9CA01#	
			W	±0.5pF	GRM1885C2A7R9DA01#	
			8.0pF	±0.05pF	GRM1885C2A8R0WA01#	
				±0.1pF	GRM1885C2A8R0BA01#	
				±0.25pF	GRM1885C2A8R0CA01#	
				±0.5pF	GRM1885C2A8R0DA01#	
			8.1pF	±0.05pF	GRM1885C2A8R1WA01#	V
				±0.1pF	GRM1885C2A8R1BA01#	
				±0.25pF	GRM1885C2A8R1CA01#	
				±0.5pF	GRM1885C2A8R1DA01#	T
			8.2pF	±0.05pF	GRM1885C2A8R2WA01#	-
				±0.1pF	GRM1885C2A8R2BA01#	, 0
				±0.25pF		
				±0.5pF	GRM1885C2A8R2DA01#	N.
			8.3pF	±0.05pF	31 100	7
			J.5p.	±0.1pF	GRM1885C2A8R3BA01#	_

T max.	Rated Voltage	TC Code	Сар.	Tol.	Part Number	
0.9mm	100Vdc	COG	8.3pF	±0.25pF	GRM1885C2A8R3CA01#	
	JU 1	MO.		±0.5pF	GRM1885C2A8R3DA01#	
	00%.		8.4pF	±0.05pF	GRM1885C2A8R4WA01#	
	1007	CO		±0.1pF	GRM1885C2A8R4BA01#	
	.10	V.CC		±0.25pF	GRM1885C2A8R4CA01#	
	N.100	-7 (		±0.5pF	GRM1885C2A8R4DA01#	
	-x 10	01.	8.5pF	±0.05pF	GRM1885C2A8R5WA01#	
	1	NOV.		±0.1pF	GRM1885C2A8R5BA01#	
	MM.	~~~		±0.25pF	GRM1885C2A8R5CA01#	
	MIN	700		±0.5pF	GRM1885C2A8R5DA01#	
		100	8.6pF	±0.05pF	GRM1885C2A8R6WA01#	
	WW	- 10		±0.1pF	GRM1885C2A8R6BA01#	
	- NIW	11.77		±0.25pF	GRM1885C2A8R6CA01#	
	M	TVI.		±0.5pF	GRM1885C2A8R6DA01#	
	W		8.7pF	±0.05pF	GRM1885C2A8R7WA01#	
	11	MM		±0.1pF	GRM1885C2A8R7BA01#	
				±0.25pF	GRM1885C2A8R7CA01#	
				±0.5pF	GRM1885C2A8R7DA01#	
		WW	8.8pF	±0.05pF	GRM1885C2A8R8WA01#	
			0.opi	±0.1pF	GRM1885C2A8R8BA01#	
				±0.25pF	GRM1885C2A8R8CA01#	
				100.7.		
	N	-	0.05	±0.5pF	GRM1885C2A8R8DA01#	
	× XI		8.9pF	±0.05pF	GRM1885C2A8R9WA01#	
				±0.1pF	GRM1885C2A8R9BA01#	
	TW			±0.25pF	GRM1885C2A8R9CA01#	
	TW.		205	±0.5pF	GRM1885C2A8R9DA01#	
	1.1	1.1	9.0pF	±0.05pF	GRM1885C2A9R0WA01#	
	MIL	1		±0.1pF	GRM1885C2A9R0BA01#	
	Tire	N		±0.25pF	GRM1885C2A9R0CA01#	
	Diag.			±0.5pF	GRM1885C2A9R0DA01#	N.
	OM.	7	9.1pF	±0.05pF	GRM1885C2A9R1WA01#	a Til
	aoN	TW		±0.1pF	GRM1885C2A9R1BA01#	. "
	Cor	T		±0.25pF	GRM1885C2A9R1CA01#	TV
	J.CO	NT.	N.	±0.5pF	GRM1885C2A9R1DA01#	
	- C(	M	9.2pF	±0.05pF	GRM1885C2A9R2WA01#	7. 1
	27.0	M		±0.1pF	GRM1885C2A9R2BA01#	M.
	ONY.C	Or		±0.25pF	GRM1885C2A9R2CA01#	
		$CO_{\overline{D}}$	1.	±0.5pF	GRM1885C2A9R2DA01#	)M
	700,1.	co	9.3pF	±0.05pF	GRM1885C2A9R3WA01#	0
	1001			±0.1pF	GRM1885C2A9R3BA01#	
	1.2	V.C		±0.25pF	GRM1885C2A9R3CA01#	C
	M.In.	- T	OM.	±0.5pF	GRM1885C2A9R3DA01#	J.C
	W 10	01.	9.4pF	±0.05pF	GRM1885C2A9R4WA01#	1
	1	OOY		±0.1pF	GRM1885C2A9R4BA01#	21.
	WW.	~ ~ ~		±0.25pF	GRM1885C2A9R4CA01#	101
	- NIW	700		±0.5pF	GRM1885C2A9R4DA01#	0-
	/ Au	g 10	9.5pF	±0.05pF	GRM1885C2A9R5WA01#	
	WW	11.5	MY.C	±0.1pF	GRM1885C2A9R5BA01#	
	TATE OF THE PARTY.	$M_T$		±0.25pF	GRM1885C2A9R5CA01#	
	111	atan .		±0.5pF	GRM1885C2A9R5DA01#	
	W	W	9.6pF	±0.05pF	GRM1885C2A9R6WA01#	
				±0.1pF	GRM1885C2A9R6BA01#	
				±0.25pF	GRM1885C2A9R6CA01#	
	i .	1				I

# GJM Series

GMA Series

GMD Series GQM Series

GRJ Series GR3 Series

# **GRM Series Temperature Compensating Type** Part Number List

T nax.	Rated Voltage	TC Code	Сар.	Tol.	Part Number
9mm	100Vdc	COG	9.7pF	±0.05pF	GRM1885C2A9R7WA01#
			M .	±0.1pF	GRM1885C2A9R7BA01#
			MAN	±0.25pF	GRM1885C2A9R7CA01#
			WV	±0.5pF	GRM1885C2A9R7DA01#
Mc			9.8pF	±0.05pF	GRM1885C2A9R8WA01#
	LTW		1	±0.1pF	GRM1885C2A9R8BA01#
		N	V	±0.25pF	GRM1885C2A9R8CA01#
CO	Mr	N)		±0.5pF	GRM1885C2A9R8DA01#
	$OM_{i,j}$		9.9pF	±0.05pF	GRM1885C2A9R9WA01#
		$L_M$		±0.1pF	GRM1885C2A9R9BA01#
V.	COR	TV		±0.25pF	GRM1885C2A9R9CA01#
		1.0	N	±0.5pF	GRM1885C2A9R9DA01#
		$N_{IJ}$	10pF	±5%	GRM1885C2A100JA01#
	Y.C	M	12pF	±5%	GRM1885C2A120JA01#
	N.C.	) !! - "	15pF	±5%	GRM1885C2A150JA01#
		$O_{N_I}$	18pF	±5%	GRM1885C2A180JA01#
N.)	001.		22pF	±5%	GRM1885C2A220JA01#
			27pF	±5%	GRM1885C2A270JA01#
	001	$LC^{C}$	33pF	±5%	GRM1885C2A330JA01#
N	1.700	<b>₹7</b> C	39pF	±5%	GRM1885C2A390JA01#
	W.100	17.	47pF	±5%	GRM1885C2A470JA01#
		OY.	56pF	±5%	GRM1885C2A560JA01#
	1111		68pF	±5%	GRM1885C2A680JA01#
		100	82pF	±5%	GRM1885C2A820JA01#
W		100	100pF	±5%	GRM1885C2A101JA01#
	MAL	-110	120pF	±5%	GRM1885C2A121JA01#
		N.r.	150pF	±5%	GRM1885C2A151JA01#
		$\sqrt{N}$		±5%	GRM1885C2A181JA01#
		- TXXI	180pF 220pF	±5%	GRM1885C2A221JA01#
		M. a.	. 000	±5%	GRM1885C2A271JA01#
			270pF 330pF	±5%	GRM1885C2A331JA01#
			W. J.		GRM1885C2A331JA01#
		W.	390pF	±5%	
		W	470pF	±5%	GRM1885C2A471JA01#
		<b>*</b> * <b>*</b> * <b>*</b> * <b>*</b> * <b>*</b> * <b>*</b> * <b>*</b> * <b>*</b> * <b>*</b> * <b>*</b> * <b>*</b> * <b>*</b> * <b>*</b> * <b>*</b> * <b>*</b> * <b>*</b> * <b>*</b> * <b>*</b> * <b>*</b> * <b>*</b> * <b>*</b> * <b>*</b> * <b>*</b> * <b>*</b> * <b>*</b> * <b>*</b> * <b>*</b> * <b>*</b> * <b>*</b> * <b>*</b> * <b>*</b> * <b>*</b> * <b>*</b> * <b>*</b> * <b>*</b> * <b>*</b> * <b>*</b> * <b>*</b> * <b>*</b> * <b>*</b> * <b>*</b> * <b>*</b> * <b>*</b> * <b>*</b> * <b>*</b> * <b>*</b> * <b>*</b> * <b>*</b> * <b>*</b> * <b>*</b> * <b>*</b> * <b>*</b> * <b>*</b> * <b>*</b> * <b>*</b> * <b>*</b> * <b>*</b> * <b>*</b> * <b>*</b> * <b>*</b> * <b>*</b> * <b>*</b> * <b>*</b> * <b>*</b> * <b>*</b> * <b>*</b> * <b>*</b> * <b>*</b> * <b>*</b> * <b>*</b> * <b>*</b> * <b>*</b> * <b>*</b> * <b>*</b> * <b>*</b> * <b>*</b> * <b>*</b> * <b>*</b> * <b>*</b> * <b>*</b> * <b>*</b> * <b>*</b> * <b>*</b> * <b>*</b> * <b>*</b> * <b>*</b> * <b>*</b> * <b>*</b> * <b>*</b> * <b>*</b> * <b>*</b> * <b>*</b> * <b>*</b> * <b>*</b> * <b>*</b> * <b>*</b> * <b>*</b> * <b>*</b> * <b>*</b> * <b>*</b> * <b>*</b> * <b>*</b> * <b>*</b> * <b>*</b> * <b>*</b> * <b>*</b> * <b>*</b> * <b>*</b> * <b>*</b> * <b>*</b> * <b>*</b> * <b>*</b> * <b>*</b> * <b>*</b> * <b>*</b> * <b>*</b> * <b>*</b> * <b>*</b> * <b>*</b> * <b>*</b> * <b>*</b> * <b>*</b> * <b>*</b> * <b>*</b> * <b>*</b> * <b>*</b> * <b>*</b> * <b>*</b> * <b>*</b> * <b>*</b> * <b>*</b> * <b>*</b> * <b>*</b> * <b>*</b> * <b>*</b> * <b>*</b> * <b>*</b> * <b>*</b> * <b>*</b> * <b>*</b> * <b>*</b> * <b>*</b> * <b>*</b> * <b>*</b> * <b>*</b> * <b>*</b> * <b>*</b> * <b>*</b> * <b>*</b> * <b>*</b> * <b>*</b> * <b>*</b> * <b>*</b> * <b>*</b> * <b>*</b> * <b>*</b> * <b>*</b> * <b>*</b> * <b>*</b> * <b>*</b> * <b>*</b> * <b>*</b> * <b>*</b> * <b>*</b> * <b>*</b> * <b>*</b> * <b>*</b> * <b>*</b> * <b>*</b> * <b>*</b> * <b>*</b> * <b>*</b> * <b>*</b> * <b>*</b> * <b>*</b> * <b>*</b> * <b>*</b> * <b>*</b> * <b>*</b> * <b>*</b> * <b>*</b> * <b>*</b> * <b>*</b> * <b>*</b> * <b>*</b> * <b>*</b> * <b>*</b> * <b>*</b> * <b>*</b> * <b>*</b> * <b>*</b> * <b>*</b> * <b>*</b> * <b>*</b> * <b>*</b> * <b>*</b> * <b>*</b> * <b>*</b> * <b>*</b> * <b>*</b> * <b>*</b> * <b>*</b> * <b>*</b> * <b>*</b> * <b>*</b> * <b>*</b> * <b>*</b> * <b>*</b> * <b>*</b> * <b>*</b> * <b>*</b> * <b>*</b> * <b>*</b> * * <b>*</b> * <b>*</b> * <b>*</b> * <b>*</b> * <b>*</b> * <b>*</b> * <b>*</b> * <b>*</b> * <b>*</b> * <b>*</b> * <b>*</b> * <b>*</b> * <b>*</b> * <b>*</b> * <b>*</b> * <b>*</b> * <b>*</b> * <b>*</b> * <b>*</b> * <b>*</b> * <b>*</b> * * <b>*</b> * <b>*</b> * <b>*</b> * <b>*</b> * <b>*</b> * <b>*</b> * <b>*</b> * <b>*</b> * <b>*</b> * <b>*</b> * <b>*</b> * <b>*</b> * <b>*</b> * <b>*</b> * <b>*</b> * <b>*</b> * <b>*</b> * <b>*</b> * <b>*</b> * <b>*</b> * <b>*</b> * * * <b>*</b> * <b>*</b> * <b>*</b> * * * * <b>*</b> * * * *	560pF	±5%	GRM1885C2A561JA01#
			680pF	±5%	GRM1885C2A681JA01#
		1	820pF	±5%	GRM1885C2A821JA01#
			1000pF	±5%	GRM1885C2A102JA01#
			1200pF	±5%	GRM1885C2A122JA01#
		OL	1500pF	±5%	GRM1885C2A152JA01#
		CK	0.50pF	±0.05pF	GRM1884C2AR50WA01#
			4	±0.1pF	GRM1884C2AR50BA01#
			0.60pF	±0.05pF	GRM1884C2AR60WA01#
				±0.1pF	GRM1884C2AR60BA01#
			0.70pF	±0.05pF	GRM1884C2AR70WA01#
				±0.1pF	GRM1884C2AR70BA01#
			0.80pF	±0.05pF	GRM1884C2AR80WA01#
				±0.1pF	GRM1884C2AR80BA01#
			0.90pF	±0.05pF	GRM1884C2AR90WA01#
				±0.1pF	GRM1884C2AR90BA01#
			1.0pF	±0.05pF	GRM1884C2A1R0WA01#
				±0.1pF	GRM1884C2A1R0BA01#
				±0.25pF	GRM1884C2A1R0CA01#
		1	1.1pF	±0.05pF	GRM1884C2A1R1WA01#

T max.	Rated Voltage	TC Code	Cap.	Tol.	Part Number	
0.9mm	100Vdc	СК	1.1pF	±0.25pF	GRM1884C2A1R1CA01#	
	W 27 (	NO	1.2pF	±0.05pF	GRM1884C2A1R2WA01#	
	00%			±0.1pF	GRM1884C2A1R2BA01#	
	1007	Co		±0.25pF	GRM1884C2A1R2CA01#	
	The	JC	1.3pF	±0.05pF	GRM1884C2A1R3WA01#	
	N.100	7.		±0.1pF	GRM1884C2A1R3BA01#	
	- 10	01.0		±0.25pF	GRM1884C2A1R3CA01#	
	11.	MY.	1.4pF	±0.05pF	GRM1884C2A1R4WA01#	
	$MM^{-1}$	00		±0.1pF	GRM1884C2A1R4BA01#	
	-TIN	700		±0.25pF	GRM1884C2A1R4CA01#	
		100	1.5pF	±0.05pF	GRM1884C2A1R5WA01#	
	WWW	10.2	N.C	±0.1pF	GRM1884C2A1R5BA01#	_
	TIN	11.77		±0.25pF	GRM1884C2A1R5CA01#	
	W.	-XX 1	1.6pF	±0.05pF	GRM1884C2A1R6WA01#	
	W	N Y	1001	±0.1pF	GRM1884C2A1R6BA01#	
	N.	WW		±0.25pF	GRM1884C2A1R6CA01#	_
	4	CINI	1.7pF	±0.05pF	GRM1884C2A1R7WA01#	
		N.A.	(1.7pi	±0.05pi	GRM1884C2A1R7BA01#	_
		WW		±0.25pF	GRM1884C2A1R7CA01#	_
			1.8pF	±0.05pF	GRM1884C2A1R8WA01#	
			1.001		GRM1884C2A1R8BA01#	_
		1		±0.1pF		
	N		10.5	±0.25pF	GRM1884C2A1R8CA01#	_
	- XI		1.9pF	±0.05pF	GRM1884C2A1R9WA01#	_
				±0.1pF	GRM1884C2A1R9BA01#	
	TW		N.V.	±0.25pF	GRM1884C2A1R9CA01#	
	TW		2.0pF	±0.05pF	GRM1884C2A2R0WA01#	
	7.7	LT.		±0.1pF	GRM1884C2A2R0BA01#	
	VI.T.			±0.25pF	GRM1884C2A2R0CA01#	
	LIL	CJ	2.1pF	±0.05pF	GRM1883C2A2R1WA01#	
	$0_{Mr}$			±0.1pF	GRM1883C2A2R1BA01#	
	OM-			±0.25pF	GRM1883C2A2R1CA01#	T.
	LOW	TW	2.2pF	±0.05pF	GRM1883C2A2R2WA01#	4.
	Co			±0.1pF	GRM1883C2A2R2BA01#	W
	J.CO	17.		±0.25pF	GRM1883C2A2R2CA01#	-
	100	M.	2.3pF	±0.05pF	GRM1883C2A2R3WA01#	
	01.	M		±0.1pF	GRM1883C2A2R3BA01#	Λ.
	ONY.C	Or	W	±0.25pF	GRM1883C2A2R3CA01#	
		$CO_D$	2.4pF	±0.05pF	GRM1883C2A2R4WA01#	II.M.
	700 7.	co		±0.1pF	GRM1883C2A2R4BA01#	
	100		TIM	±0.25pF	GRM1883C2A2R4CA01#	
	1.2	V.C	2.5pF	±0.05pF	GRM1883C2A2R5WA01#	
	M.In.	NJ (		±0.1pF	GRM1883C2A2R5BA01#	C
	W.10	01.	coM	±0.25pF	GRM1883C2A2R5CA01#	
	N 11	001	2.6pF	±0.05pF	GRM1883C2A2R6WA01#	X .
	MW.	. 007		±0.1pF	GRM1883C2A2R6BA01#	03
	TANA	700	ZI CC	±0.25pF	GRM1883C2A2R6CA01#	
	N 11	N.10	2.7pF	±0.05pF	GRM1883C2A2R7WA01#	
	MM.	211		±0.1pF	GRM1883C2A2R7BA01#	
	TIV	11.7		±0.25pF	GRM1883C2A2R7CA01#	
	44	WW.	2.8pF	±0.05pF	GRM1883C2A2R8WA01#	
	M.	100		±0.1pF	GRM1883C2A2R8BA01#	
				±0.25pF	GRM1883C2A2R8CA01#	
	1	1		<del></del>		
			2.9pF	±0.05pF	GRM1883C2A2R9WA01#	

T max.	Rated Voltage	TC Code	Cap.	Tol.	Part Number
0.9mm	100Vdc	CJ	2.9pF	±0.25pF	GRM1883C2A2R9CA01#
			3.0pF	±0.05pF	GRM1883C2A3R0WA01#
	W			±0.1pF	GRM1883C2A3R0BA01#
	TW			±0.25pF	GRM1883C2A3R0CA01#
			3.1pF	±0.05pF	GRM1883C2A3R1WA01#
	TIM			±0.1pF	GRM1883C2A3R1BA01#
	TTI	N		±0.25pF	GRM1883C2A3R1CA01#
	Mr.	W	3.2pF	±0.05pF	GRM1883C2A3R2WA01#
	$O_{M^{*}}$			±0.1pF	GRM1883C2A3R2BA01#
	Low	In		±0.25pF	GRM1883C2A3R2CA01#
	CO	TV	3.3pF	±0.05pF	GRM1883C2A3R3WA01#
	$CO_N$	1.		±0.1pF	GRM1883C2A3R3BA01#
	- c0	$M_{I,I}$		±0.25pF	GRM1883C2A3R3CA01#
	1.0	M	3.4pF	±0.05pF	GRM1883C2A3R4WA01#
	V.C	) [ ]	TW	±0.1pF	GRM1883C2A3R4BA01#
	~1	OM		±0.25pF	GRM1883C2A3R4CA01#
	001.		3.5pF	±0.05pF	GRM1883C2A3R5WA01#
	1007		VIIN	±0.1pF	GRM1883C2A3R5BA01#
	. 004	$LC^{\mathbf{C}}$		±0.25pF	GRM1883C2A3R5CA01#
	1.700	-7 C	3.6pF	±0.05pF	GRM1883C2A3R6WA01#
	N 100	1	0.001	±0.00pi	GRM1883C2A3R6BA01#
	- 10	OY.		±0.25pF	GRM1883C2A3R6CA01#
	MN.T		3.7pF	±0.05pF	GRM1883C2A3R7WA01#
	WIW.	100 .	3.7βΙ		-3171-12
	1	100		±0.1pF	GRM1883C2A3R7BA01#
	MAN	40	00.5	±0.25pF	GRM1883C2A3R7CA01#
	- NIW	N.To	3.8pF	±0.05pF	GRM1883C2A3R8WA01#
	111	W.1		±0.1pF	GRM1883C2A3R8BA01#
	MA		100X	±0.25pF	GRM1883C2A3R8CA01#
	W	MM	3.9pF	±0.05pF	GRM1883C2A3R9WA01#
		TVV		±0.1pF	GRM1883C2A3R9BA01#
	V	1.4.	<del>vi 100</del>	±0.25pF	GRM1883C2A3R9CA01#
	-	СН	4.0pF	±0.05pF	GRM1882C2A4R0WA01#
		TAT V		±0.1pF	GRM1882C2A4R0BA01#
		77	AIN!	±0.25pF	GRM1882C2A4R0CA01#
		W	4.1pF	±0.05pF	GRM1882C2A4R1WA01#
				±0.1pF	GRM1882C2A4R1BA01#
				±0.25pF	GRM1882C2A4R1CA01#
			4.2pF	±0.05pF	GRM1882C2A4R2WA01#
				±0.1pF	GRM1882C2A4R2BA01#
				±0.25pF	GRM1882C2A4R2CA01#
			4.3pF	±0.05pF	GRM1882C2A4R3WA01#
				±0.1pF	GRM1882C2A4R3BA01#
				±0.25pF	GRM1882C2A4R3CA01#
			4.4pF	±0.05pF	GRM1882C2A4R4WA01#
			т. грт	±0.1pF	GRM1882C2A4R4BA01#
				±0.25pF	GRM1882C2A4R4CA01#
			4 5pE	43.7	
			4.5pF	±0.05pF	
				±0.1pF	GRM1882C2A4R5BA01#
			40.5	±0.25pF	GRM1882C2A4R5CA01#
			4.6pF	±0.05pF	GRM1882C2A4R6WA01#
				±0.1pF	GRM1882C2A4R6BA01#
				±0.25pF	GRM1882C2A4R6CA01#
			4.7pF	±0.05pF	GRM1882C2A4R7WA01#
				±0.1pF	GRM1882C2A4R7BA01#

		- 11	44			
T max.	Rated Voltage	TC Code	Cap.	Tol.	Part Number	
.9mm	100Vdc	СН	4.7pF	±0.25pF	GRM1882C2A4R7CA01#	
	JU -	COM	4.8pF	±0.05pF	GRM1882C2A4R8WA01#	
	100 x.	601		±0.1pF	GRM1882C2A4R8BA01#	
	1007		TIME	±0.25pF	GRM1882C2A4R8CA01#	
	.,,	Y.CU	4.9pF	±0.05pF	GRM1882C2A4R9WA01#	
	N'Ing	V C		±0.1pF	GRM1882C2A4R9BA01#	
	W.10	01.	Mon	±0.25pF	GRM1882C2A4R9CA01#	
	-X11	00X.	5.0pF	±0.05pF	GRM1882C2A5R0WA01#	
		1007		±0.1pF	GRM1882C2A5R0BA01#	
r		700	1 CO	±0.25pF	GRM1882C2A5R0CA01#	
		1.100	5.1pF	±0.05pF	GRM1882C2A5R1WA01#	
		X 10		±0.1pF	GRM1882C2A5R1BA01#	
		N		±0.25pF	GRM1882C2A5R1CA01#	
		W.	In.	±0.5pF	GRM1882C2A5R1DA01#	
		N IN	5.2pF	±0.05pF	GRM1882C2A5R2WA01#	
		MA .		±0.1pF	GRM1882C2A5R2BA01#	
		WW		±0.25pF	GRM1882C2A5R2CA01#	
		AT IN	11.70	±0.5pF	GRM1882C2A5R2DA01#	
		M.	5.3pF	±0.05pF	GRM1882C2A5R3WA01#	
		W		±0.1pF	GRM1882C2A5R3BA01#	
		1		±0.25pF	GRM1882C2A5R3CA01#	
				±0.5pF	GRM1882C2A5R3DA01#	
ľ			5.4pF	±0.05pF	GRM1882C2A5R4WA01#	
				±0.1pF	GRM1882C2A5R4BA01#	
T				±0.25pF	GRM1882C2A5R4CA01#	
. 1			11	±0.5pF	GRM1882C2A5R4DA01#	
1.			5.5pF	±0.05pF	GRM1882C2A5R5WA01#	
		N		±0.1pF	GRM1882C2A5R5BA01#	
100		W		±0.25pF	GRM1882C2A5R5CA01#	
0				±0.5pF	GRM1882C2A5R5DA01#	N
٠ <u>(</u>		LAL	5.6pF	±0.05pF	GRM1882C2A5R6WA01#	
		TW		±0.1pF	GRM1882C2A5R6BA01#	M
C				±0.25pF	GRM1882C2A5R6CA01#	TV
J		17.		±0.5pF	GRM1882C2A5R6DA01#	
1		M	5.7pF	±0.05pF	GRM1882C2A5R7WA01#	1.7
0				±0.1pF	GRM1882C2A5R7BA01#	M
		$\Omega_{R_{1}}$		±0.25pF	GRM1882C2A5R7CA01#	- K
U		$CO_{J}$	1. 2	±0.5pF	GRM1882C2A5R7DA01#	DIA
70		CO	5.8pF	±0.05pF	GRM1882C2A5R8WA01#	10
1				±0.1pF	GRM1882C2A5R8BA01#	
-		N.C		±0.25pF	GRM1882C2A5R8CA01#	C
N		W C	OM	±0.5pF	GRM1882C2A5R8DA01#	1 C
:1"		10 1.	5.9pF	±0.05pF	GRM1882C2A5R9WA01#	
N		001		±0.1pF	GRM1882C2A5R9BA01#	27.
		1001		±0.25pF	GRM1882C2A5R9CA01#	107
ļ,		Tan	JC0	±0.5pF	GRM1882C2A5R9DA01#	0
	N 1	N.10	6.0pF	±0.05pF	GRM1882C2A6R0WA01#	
	MM,	×1 1		±0.1pF	GRM1882C2A6R0BA01#	
	WW	Miss		±0.25pF	GRM1882C2A6R0CA01#	
		WW.	Ing	±0.5pF	GRM1882C2A6R0DA01#	
ı			6.1pF	±0.05pF	GRM1882C2A6R1WA01#	
		1		±0.1pF	GRM1882C2A6R1BA01#	
				±0.1pi	GHIIITOOZOZAOTTIBAGTII	
				±0.1pi	GRM1882C2A6R1CA01#	

GJM Series

GMA Series

GQM Series GMD Series

GR3 Series | GRJ Series

KRM Series (

# GRM Series Temperature Compensating Type Part Number List

T max.	Rated Voltage	TC Code	Сар.	Tol.	Part Number	T max.	Rated Voltage	TC Cod
0.9mm	100Vdc	СН	6.2pF	±0.05pF	GRM1882C2A6R2WA01#	0.9mm	100Vdc	СН
				±0.1pF	GRM1882C2A6R2BA01#	W.1	W 1.	0
				±0.25pF	GRM1882C2A6R2CA01#		100 X.	
	TW			±0.5pF	GRM1882C2A6R2DA01#		1007	C
	. L `		6.3pF	±0.05pF	GRM1882C2A6R3WA01#		.10	V.C
	1.1.			±0.1pF	GRM1882C2A6R3BA01#		N'Joo	×1
	MI	N		±0.25pF	GRM1882C2A6R3CA01#		W.10	07.
	T CT	W		±0.5pF	GRM1882C2A6R3DA01#		- X1 1	007
	$O_{Mr}$ ,	NY.	6.4pF	±0.05pF	GRM1882C2A6R4WA01#	L W	MM.	. 00
	MO	7.4.		±0.1pF	GRM1882C2A6R4BA01#	<del></del>	WW	Tar
	-01	$(T^{V})$		±0.25pF	GRM1882C2A6R4CA01#	<u> </u>		1.10
	Con		N	±0.5pF	GRM1882C2A6R4DA01#		MM.	osi 1
	a CO	11.	6.5pF	±0.05pF	GRM1882C2A6R5WA01#	W	WW	M.
	7. C(	M		±0.1pF	GRM1882C2A6R5BA01#		- 11	W
	01.0	Mo		±0.25pF	GRM1882C2A6R5CA01#	V.T.A.		
	on Y.C	Or	W	±0.5pF	GRM1882C2A6R5DA01#	TW	W	NA .
	00	$CO_J$	6.6pF	±0.05pF	GRM1882C2A6R6WA01#	TW		W
	700 .			±0.1pF	GRM1882C2A6R6BA01#	OM.		
	1 100			±0.25pF	GRM1882C2A6R6CA01#	-OM.T.		
	100	V.C	OP.	±0.5pF	GRM1882C2A6R6DA01#	-MITW		V
	M.In.		6.7pF	±0.05pF	GRM1882C2A6R7WA01#	COM		4
	.W.1	00 1.		±0.1pF	GRM1882C2A6R7BA01#	COM	K.	
	N '	001		±0.25pF	GRM1882C2A6R7CA01#	T.OM.T	N.	
	MM.	100	V.Co.	±0.5pF	GRM1882C2A6R7DA01#	OY.COM!		
	VWV	.10-	6.8pF	±0.05pF	GRM1882C2A6R8WA01#	AN COM	W	
		N.10		±0.1pF	GRM1882C2A6R8BA01#	COM	· ·	
	M.	-xv.1		±0.25pF	GRM1882C2A6R8CA01#	$70^{0.5}$	1.1	l T
	W		1001	±0.5pF	GRM1882C2A6R8DA01#	1400Y.	VI.TV	ľ
	N.	MM	6.9pF	±0.05pF	GRM1882C2A6R9WA01#	- 100 X.CC	TI	W
				±0.1pF	GRM1882C2A6R9BA01#	M. To OV.C	$0_{Mr}$	W
		N 1		±0.25pF	GRM1882C2A6R9CA01#	13V.100	OM:	7
		WW	-<1 t0	±0.5pF	GRM1882C2A6R9DA01#	1007.	TON	T
		W	7.0pF		GRM1882C2A7R0WA01#	100X	Cor	117
				±0.1pF	GRM1882C2A7R0BA01#	WW.IO	V.CO	N.Y.
				10-	GRM1882C2A7R0CA01#	100 Inc. 100	-1 CC	M
		1		±0.5pF	GRM1882C2A7R0DA01#	W 1 10	Dr.	
			7.1pF	±0.05pF		-N.M.	OV.C	
				±0.1pF	GRM1882C2A7R1BA01#	$ ^{MMM.}$	ooV.	CO
				144 ° 5 V	GRM1882C2A7R1CA01#	- WWW	100 -	C
				±0.5pF	GRM1882C2A7R1DA01#	_ // //	1.100	
			7.2pF	±0.05pF	1003.	_ WW.	100	X.
				±0.1pF	GRM1882C2A7R2BA01#	WW -	M.r.	N
				- X X	GRM1882C2A7R2CA01#	_	11/1/	0 -
				±0.5pF	GRM1882C2A7R2DA01#		-TXN .1	00.
			7.3pF	±0.05pF	4002	N N	M.	10
				±0.1pF	GRM1882C2A7R3BA01#	<del>vi</del>	WWW	. 1
				±0.25pF	31111	N N	TAT WY	1.7
			7 4	±0.5pF	GRM1882C2A7R3DA01#	1. A.	Al .	W.
			7.4pF	±0.05pF	1	TW.	MM	
				±0.1pF	GRM1882C2A7R4BA01#	TW	W	M
				±0.25pF	-31 No. 1 (1)	W. r.	4.	
		1		±0.5pF	GRM1882C2A7R4DA01#			
			7.5pF	±0.05pF	GRM1882C2A7R5WA01#	147.		

TC ode	Cap.	Tol.	Part Number	
СН	7.5pF	±0.25pF	GRM1882C2A7R5CA01#	
ON	. 1	±0.5pF	GRM1882C2A7R5DA01#	
.01	7.6pF	±0.05pF	GRM1882C2A7R6WA01#	
		±0.1pF	GRM1882C2A7R6BA01#	
Ca		±0.25pF	GRM1882C2A7R6CA01#	
J C	$O_{M^{*}}$	±0.5pF	GRM1882C2A7R6DA01#	
1.	7.7pF	±0.05pF	GRM1882C2A7R7WA01#	
01.		±0.1pF	GRM1882C2A7R7BA01#	
003		±0.25pF	GRM1882C2A7R7CA01#	
.00	JCO	±0.5pF	GRM1882C2A7R7DA01#	
100	7.8pF	±0.05pF	GRM1882C2A7R8WA01#	
110		±0.1pF	GRM1882C2A7R8BA01#	
. 1		±0.25pF	GRM1882C2A7R8CA01#	
11	. V -	±0.5pF	GRM1882C2A7R8DA01#	
M	7.9pF	±0.05pF	GRM1882C2A7R9WA01#	
		±0.1pF	GRM1882C2A7R9BA01#	
W		±0.25pF	GRM1882C2A7R9CA01#	
W	M.ro.	±0.5pF	GRM1882C2A7R9DA01#	
-11	8.0pF	±0.05pF	GRM1882C2A8R0WA01#	
W		±0.1pF	GRM1882C2A8R0BA01#	
V		±0.25pF	GRM1882C2A8R0CA01#	
		±0.5pF	GRM1882C2A8R0DA01#	
	8.1pF	±0.05pF	GRM1882C2A8R1WA01#	
		±0.1pF	GRM1882C2A8R1BA01#	
		±0.25pF	GRM1882C2A8R1CA01#	
-		±0.5pF	GRM1882C2A8R1DA01#	
	8.2pF	±0.05pF	GRM1882C2A8R2WA01#	
		±0.1pF	GRM1882C2A8R2BA01#	
V		±0.25pF	GRM1882C2A8R2CA01#	
W -		±0.5pF	GRM1882C2A8R2DA01#	N
	8.3pF	±0.05pF	GRM1882C2A8R3WA01#	a N
ĹΝ		±0.1pF	GRM1882C2A8R3BA01#	. "
T		±0.25pF	GRM1882C2A8R3CA01#	TV
	N-	±0.5pF	GRM1882C2A8R3DA01#	
1.	8.4pF	±0.05pF	GRM1882C2A8R4WA01#	1. 1
M		±0.1pF	GRM1882C2A8R4BA01#	M.
) ·		±0.25pF	GRM1882C2A8R4CA01#	
$O_{\bar{D}}$	- 11 <del>1</del>	±0.5pF	GRM1882C2A8R4DA01#	DM.
cO	8.5pF	±0.05pF	GRM1882C2A8R5WA01#	
		±0.1pF	GRM1882C2A8R5BA01#	
		±0.25pF	GRM1882C2A8R5CA01#	
V.C	OM	±0.5pF	GRM1882C2A8R5DA01#	<u> 1.C</u>
~ 1	8.6pF	±0.05pF	GRM1882C2A8R6WA01#	V.
01		±0.1pF	GRM1882C2A8R6BA01#	) r.
001		±0.25pF	GRM1882C2A8R6CA01#	903
. 0	N.CU	±0.5pF	GRM1882C2A8R6DA01#	
Tal	8.7pF	±0.05pF	GRM1882C2A8R7WA01#	
N.1		±0.1pF	GRM1882C2A8R7BA01#	
		±0.25pF	GRM1882C2A8R7CA01#	
W	00 =	±0.5pF	GRM1882C2A8R7DA01#	
	8.8pF	±0.05pF	GRM1882C2A8R8WA01#	
		±0.1pF	GRM1882C2A8R8BA01#	
		±0.25pF	GRM1882C2A8R8CA01#	
		±0.5pF	GRM1882C2A8R8DA01#	
	Part nur	mber # indic	cates the package specification	code.

T max.	Rated Voltage	TC Code	Сар.	Tol.	Part Number
.9mm	100Vdc	СН	8.9pF	±0.05pF	GRM1882C2A8R9WA01#
				±0.1pF	GRM1882C2A8R9BA01#
				±0.25pF	GRM1882C2A8R9CA01#
	TW		WV	±0.5pF	GRM1882C2A8R9DA01#
			9.0pF	±0.05pF	GRM1882C2A9R0WA01#
	1.7.			±0.1pF	GRM1882C2A9R0BA01#
	TIL			±0.25pF	GRM1882C2A9R0CA01#
	17/12	W		±0.5pF	GRM1882C2A9R0DA01#
	$O_{M}$ .		9.1pF	±0.05pF	GRM1882C2A9R1WA01#
	Mod	LAN		±0.1pF	GRM1882C2A9R1BA01#
		TV		±0.25pF	GRM1882C2A9R1CA01#
	COR	- 17		±0.5pF	GRM1882C2A9R1DA01#
	1,00	M.r.	9.2pF	±0.05pF	GRM1882C2A9R2WA01#
	1.0	M		±0.1pF	GRM1882C2A9R2BA01#
	OY.C.	- N		±0.25pF	GRM1882C2A9R2CA01#
	OV.C	Ozz		±0.5pF	GRM1882C2A9R2DA01#
	00 -	CON	9.3pF	±0.05pF	GRM1882C2A9R3WA01#
	100%			±0.1pF	GRM1882C2A9R3BA01#
	- 100	I.Cu		±0.25pF	GRM1882C2A9R3CA01#
	1.70	v.C		±0.5pF	GRM1882C2A9R3DA01#
	W.10	) **	9.4pF	±0.05pF	GRM1882C2A9R4WA01#
	- XI 1	10,7.		±0.1pF	GRM1882C2A9R4BA01#
	111.	COOL		±0.25pF	GRM1882C2A9R4CA01#
	WW.	100		±0.5pF	GRM1882C2A9R4DA01#
		100	9.5pF	±0.05pF	GRM1882C2A9R5WA01#
	N. A.	xī 10	01.0	±0.1pF	GRM1882C2A9R5BA01#
	MW	1		±0.25pF	GRM1882C2A9R5CA01#
	- 111	11.7		±0.5pF	GRM1882C2A9R5DA01#
		WIX	9.6pF	±0.05pF	GRM1882C2A9R6WA01#
	W	NN .	11007	±0.1pF	GRM1882C2A9R6BA01#
				±0.25pF	GRM1882C2A9R6CA01#
				±0.5pF	GRM1882C2A9R6DA01#
		N.	9.7pF	±0.05pF	GRM1882C2A9R7WA01#
		W	-311	±0.1pF	GRM1882C2A9R7BA01#
		W		±0.25pF	TO AND AND
				±0.5pF	GRM1882C2A9R7DA01#
			9.8pF	±0.05pF	
			MAI.	±0.1pF	GRM1882C2A9R8BA01#
				±0.25pF	V CU AND
				±0.5pF	GRM1882C2A9R8DA01#
			9.9pF	±0.05pF	M. M.
			0.0рі	±0.05pi	GRM1882C2A9R9BA01#
				±0.25pF	
				±0.25pf	GRM1882C2A9R9DA01#
			10pF	±5%	GRM1882C2A100JA01#
			12pF	±5%	GRM1882C2A120JA01#
			15pF	±5%	GRM1882C2A150JA01#
			18pF	±5%	GRM1882C2A180JA01#
			22pF	±5%	GRM1882C2A220JA01#
			27pF	±5%	GRM1882C2A220JA01#
					GRM1882C2A330JA01#
			33pF	±5%	
			39pF	±5%	GRM1882C2A390JA01#
	1		47pF	±5%	GRM1882C2A470JA01#

T max.	Rated Voltage	TC Code	Cap.	Tol.	Part Number	
0.9mm	100Vdc	СН	68pF	±5%	GRM1882C2A680JA01#	
	)U 1.	NO.	82pF	±5%	GRM1882C2A820JA01#	
	00%	~O <sup>1</sup>	100pF	±5%	GRM1882C2A101JA01#	
	1001	CO	120pF	±5%	GRM1882C2A121JA01#	
	.10	V.C	150pF	±5%	GRM1882C2A151JA01#	
	N.100	- -7 (	180pF	±5%	GRM1882C2A181JA01#	
	W.10	01.	220pF	±5%	GRM1882C2A221JA01#	
	-x11	00X.	270pF	±5%	GRM1882C2A271JA01#	
	M	. 003	330pF	±5%	GRM1882C2A331JA01#	
	WW	Too	390pF	±5%	GRM1882C2A391JA01#	
	· · · · · · · · · · · · · · · · · · ·	1.100	470pF	±5%	GRM1882C2A471JA01#	
	M. A.	x 10	560pF	±5%	GRM1882C2A561JA01#	
	WW	1	680pF	±5%	GRM1882C2A681JA01#	
	411	111.	820pF	±5%	GRM1882C2A821JA01#	
		W.	1000pF	±5%	GRM1882C2A102JA01#	
		1	1200pF	±5%	GRM1882C2A122JA01#	
	_		1500pF	±5%	GRM1882C2A152JA01#	
	50Vdc	COG	0.50pF	±0.05pF	GRM1885C1HR50WA01#	
			N. 11	±0.1pF	GRM1885C1HR50BA01#	
			0.60pF	±0.05pF	GRM1885C1HR60WA01#	
		V	0.70.5	±0.1pF	GRM1885C1HR60BA01#	
	N	4	0.70pF	±0.05pF	GRM1885C1HR70WA01#	
	· × × 1		0.00 5	±0.1pF	GRM1885C1HR70BA01#	
	. //		0.80pF	±0.05pF	GRM1885C1HR80WA01#	
	TW		0.00-5	±0.1pF	GRM1885C1HR80BA01#	
	W		0.90pF	±0.05pF	GRM1885C1HR90WA01#	
	1.1	J	1.0nE	±0.1pF ±0.05pF	GRM1885C1HR90BA01# GRM1885C1H1R0WA01#	
	$M_{i,T,i}$	-1	1.0pF	±0.05pF	GRM1885C1H1R0BA01#	
	T.IV	W		±0.25pF	GRM1885C1H1R0CA01#	. 1
	Or.	W	1.1pF	±0.05pF	GRM1885C1H1R1WA01#	<b>N</b>
	OM.		1.101	±0.1pF	GRM1885C1H1R1BA01#	W
	CON			±0.25pF	GRM1885C1H1R1CA01#	- 11
	- 01	I.I.	1.2pF	±0.05pF	GRM1885C1H1R2WA01#	
	Y.CO.	N13	W	±0.1pF	GRM1885C1H1R2BA01#	[.1]
	V.CC	Mar		±0.25pF	GRM1885C1H1R2CA01#	1
	o√√ C	$O_{\bar{M}T}$	1.3pF	±0.05pF	GRM1885C1H1R3WA01#	
	001.		T.T.	±0.1pF	GRM1885C1H1R3BA01#	DM
	1007			±0.25pF	GRM1885C1H1R3CA01#	101
	1003	i.Cu	1.4pF	±0.05pF	GRM1885C1H1R4WA01#	
	1.70	V.C		±0.1pF	GRM1885C1H1R4BA01#	Ca
	N.100	-7 (		±0.25pF	GRM1885C1H1R4CA01#	ı C
	XX 10	01.	1.5pF	±0.05pF	GRM1885C1H1R5WA01#	» ·
	1	OOX		±0.1pF	GRM1885C1H1R5BA01#	2.
	M.W.	. 001	$I.CO_D$	±0.25pF	GRM1885C1H1R5CA01#	M
	WW	700	1.6pF	±0.05pF	GRM1885C1H1R6WA01#	00
	V 1	V.10		±0.1pF	GRM1885C1H1R6BA01#	
	MM,	×1 1	00 X.C.	±0.25pF	GRM1885C1H1R6CA01#	
	WW	111.2	1.7pF	±0.05pF	GRM1885C1H1R7WA01#	
	_ < 1	NW		±0.1pF	GRM1885C1H1R7BA01#	
	- N			±0.25pF	GRM1885C1H1R7CA01#	
			1.8pF	±0.05pF	GRM1885C1H1R8WA01#	
				±0.1pF	GRM1885C1H1R8BA01#	

# GJM Series

**GMA** Series

**GMD** Series GQM Series

**GRJ** Series GR3 Series

## **GRM Series Temperature Compensating Type** Part Number List

T max.	Rated Voltage	TC Code	Cap.	Tol.	Part Number	N A	T max.	Rated Voltage	TC Code	Cap.	Tol.	Part Number
0.9mm	50Vdc	COG	1.9pF	±0.05pF	GRM1885C1H1R9WA01#		0.9mm	50Vdc	COG	3.7pF	±0.05pF	GRM1885C1H3R7WA01#
			Mari	±0.1pF	GRM1885C1H1R9BA01#	<del>- 1</del> 1		10 x.	MON	1.	±0.1pF	GRM1885C1H3R7BA01#
	W		WW	±0.25pF	GRM1885C1H1R9CA01#	- V		001.	1	TW	±0.25pF	GRM1885C1H3R7CA01#
	- 1		2.0pF	±0.05pF				1007	CO	3.8pF	±0.05pF	GRM1885C1H3R8WA01#
	1.11			±0.1pF	GRM1885C1H2R0BA01#			700	1, CC	Mir	±0.1pF	GRM1885C1H3R8BA01#
	TW		W	±0.25pF	GRM1885C1H2R0CA01#			N 100	1.	OM.	±0.25pF	GRM1885C1H3R8CA01#
	17.	N	2.1pF	±0.05pF	GRM1885C1H2R1WA01#			- 10	OY.C	3.9pF	±0.05pF	GRM1885C1H3R9WA01#
	M·r	- <b>1</b>	2.101	±0.1pF	GRM1885C1H2R1BA01#			M.To	N.	Colopi	±0.1pF	GRM1885C1H3R9BA01#
	OMI	111		±0.25pF	GRM1885C1H2R1CA01#	-1		NW.	00 .	CON	±0.25pF	GRM1885C1H3R9CA01#
		W	2.2pF	±0.05pF	GRM1885C1H2R2WA01#	<u>N</u>			100	4.0pF	±0.05pF	GRM1885C1H4R0WA01#
	$co_{M}$		2.2pr	-310	GRM1885C1H2R2BA01#	W		WW	1.00	4.0pr	- 11	GRM1885C1H4R0BA01#
	CON		<b>▼</b> T	±0.1pF	CON.	- 1		TWV.	To.	N.C	±0.1pF	- 101
		T.N	0.0-5	±0.25pF	GRM1885C1H2R2CA01#	111		NN T	W.10	4.4	±0.25pF	GRM1885C1H4R0CA01#
	Y.CU	. 1	2.3pF	±0.05pF	GRM1885C1H2R3WA01#	T		MAN	-x1 1	4.1pF	±0.05pF	GRM1885C1H4R1WA01#
	~7 C	DIAT.	-XXI	±0.1pF	GRM1885C1H2R3BA01#	17.		W	1111	You	±0.1pF	GRM1885C1H4R1BA01#
	07.	MO	0.4.5	±0.25pF	GRM1885C1H2R3CA01#	W.			WW	100	±0.25pF	GRM1885C1H4R1CA01#
	00 X .		2.4pF	±0.05pF	GRM1885C1H2R4WA01#	M. 1		10		4.2pF	±0.05pF	GRM1885C1H4R2WA01#
	100Y	$C_{O_{Z}}$	TV	±0.1pF	GRM1885C1H2R4BA01#	O ×		1	MAN.	-110	±0.1pF	GRM1885C1H4R2BA01#
	700	CC	M·r	±0.25pF	GRM1885C1H2R4CA01#	OM			NV	11.10	±0.25pF	GRM1885C1H4R2CA01#
	V 100		2.5pF	±0.05pF	GRM1885C1H2R5WA01#	-01			1	4.3pF	±0.05pF	GRM1885C1H4R3WA01#
	100	Y.C	- N T	±0.1pF	GRM1885C1H2R5BA01#				W.	N N	±0.1pF	GRM1885C1H4R3BA01#
	11.10		COMr.	±0.25pF	GRM1885C1H2R5CA01#	$\sqrt{C}$			V	M. A.	±0.25pF	GRM1885C1H4R3CA01#
	TW.1	00 x	2.6pF	±0.05pF	GRM1885C1H2R6WA01#	-1-C		XI		4.4pF	±0.05pF	GRM1885C1H4R4WA01#
		100,		±0.1pF	GRM1885C1H2R6BA01#	01.		V			±0.1pF	GRM1885C1H4R4BA01#
	WW.	400	Y.CO	±0.25pF	GRM1885C1H2R6CA01#	00X.		W		11/1/1	±0.25pF	GRM1885C1H4R4CA01#
	NWW	1.70	2.7pF	±0.05pF	GRM1885C1H2R7WA01#	Last		TW		4.5pF	±0.05pF	GRM1885C1H4R5WA01#
		N.10	0 7.	±0.1pF	GRM1885C1H2R7BA01#	700		- 1		- 1	±0.1pF	GRM1885C1H4R5BA01#
	MM	-x1 1	001.	±0.25pF	GRM1885C1H2R7CA01#	1100		1.7			±0.25pF	GRM1885C1H4R5CA01#
	WV	111	2.8pF	±0.05pF	GRM1885C1H2R8WA01#	0		TI	N	4.6pF	±0.05pF	GRM1885C1H4R6WA01#
		NW	700	±0.1pF	GRM1885C1H2R8BA01#	W.r.		Mr.	N		±0.1pF	GRM1885C1H4R6BA01#
		_ 11	1.100	±0.25pF	GRM1885C1H2R8CA01#	W.1		$OM_{\gamma}$	-		±0.25pF	GRM1885C1H4R6CA01#
	V		2.9pF	±0.05pF	GRM1885C1H2R9WA01#			MO	LA	4.7pF	±0.05pF	GRM1885C1H4R7WA01#
		WW	W	±0.1pF	GRM1885C1H2R9BA01#	41.			TW		±0.1pF	GRM1885C1H4R7BA01#
			M.77	±0.25pF	GRM1885C1H2R9CA01#			$CO_{D}$		N	±0.25pF	GRM1885C1H4R7CA01#
		10	3.0pF	±0.05pF	GRM1885C1H3R0WA01#			- CO	17:7	4.8pF	±0.05pF	GRM1885C1H4R8WA01#
		W	M	±0.1pF	GRM1885C1H3R0BA01#	11/1/		<b>Y</b>	M.T		±0.1pF	GRM1885C1H4R8BA01#
			UWW	±0.25pF	GRM1885C1H3R0CA01#			V.C.	1	W	±0.25pF	GRM1885C1H4R8CA01#
			3.1pF	±0.05pF	GRM1885C1H3R1WA01#	-		~1.C	$O_{\tilde{M}^{T}}$	4.9pF	±0.05pF	GRM1885C1H4R9WA01#
			1111	±0.1pF	GRM1885C1H3R1BA01#			00 1.	CON	T.T.	±0.1pF	GRM1885C1H4R9BA01#
			WW	±0.25pF	GRM1885C1H3R1CA01#			1001		V.TV	±0.25pF	GRM1885C1H4R9CA01#
			3.2pF	±0.05pF	GRM1885C1H3R2WA01#			100	.Cu	5.0pF	±0.05pF	GRM1885C1H5R0WA01#
			- 11	±0.1pF	GRM1885C1H3R2BA01#			Too	ST C	OM:	±0.1pF	GRM1885C1H5R0BA01#
				±0.25pF	GRM1885C1H3R2CA01#			N.100	7.	MO	±0.25pF	GRM1885C1H5R0CA01#
			3.3pF	±0.05pF				10	01.	5.1pF	±0.05pF	GRM1885C1H5R1WA01#
				±0.1pF	GRM1885C1H3R3BA01#			1111.2	V	$C_{\Omega_{N}}$	±0.1pF	GRM1885C1H5R1BA01#
				±0.25pF	3L100			NW.	100	COL	±0.25pF	GRM1885C1H5R1CA01#
			3.4pF	±0.05pF	1003-	M-		- TXN	100		±0.5pF	GRM1885C1H5R1DA01#
			0. <del>4</del> pi	±0.1pF	GRM1885C1H3R4BA01#	CVI		AM A.	- 10	5.2pF	±0.05pF	GRM1885C1H5R2WA01#
				±0.25pF	21 N - 2 C O 3 ' '			WIX	1.10	3.2pi	D	GRM1885C1H5R2BA01#
			2 5 5 5					77.7	W.1	00 -	±0.1pF	
			3.5pF	±0.05pF	1	T.T.V		MA	-	1001.	±0.25pF	GRM1885C1H5R2CA01#
				±0.1pF	GRM1885C1H3R5BA01#	· T		W	MAN.	E Or F	±0.5pF	GRM1885C1H5R2DA01#
			0.0.5	±0.25pF	3111	M.				5.3pF	±0.05pF	GRM1885C1H5R3WA01#
			3.6pF	±0.05pF	33 100	ON.					±0.1pF	GRM1885C1H5R3BA01#
				±0.1pF	GRM1885C1H3R6BA01#	0-					±0.25pF	GRM1885C1H5R3CA01#
				±0.25pF	GRM1885C1H3R6CA01#						±0.5pF	GRM1885C1H5R3DA01#

T max.	Rated Voltage	TC Code	Cap.	Tol.	Part Number
).9mm	50Vdc	COG	5.4pF	±0.05pF	GRM1885C1H5R4WA01#
	. 4			±0.1pF	GRM1885C1H5R4BA01#
				±0.25pF	GRM1885C1H5R4CA01#
	TW		WV	±0.5pF	GRM1885C1H5R4DA01#
	. 1		5.5pF	±0.05pF	GRM1885C1H5R5WA01#
	LTV			±0.1pF	GRM1885C1H5R5BA01#
	TI	N		±0.25pF	GRM1885C1H5R5CA01#
	Mr.	W		±0.5pF	GRM1885C1H5R5DA01#
	$0_{M^*}$	- 1	5.6pF	±0.05pF	GRM1885C1H5R6WA01#
	Mod	LA		±0.1pF	GRM1885C1H5R6BA01#
		TV		±0.25pF	GRM1885C1H5R6CA01#
	$CO_{D}$			±0.5pF	GRM1885C1H5R6DA01#
	-0	$M^{*,r}$	5.7pF	±0.05pF	GRM1885C1H5R7WA01#
		M		±0.1pF	GRM1885C1H5R7BA01#
	OY.C	7 × N		±0.25pF	GRM1885C1H5R7CA01#
	NV C	$O_{N_I}$		±0.5pF	GRM1885C1H5R7DA01#
	00 -	COL	5.8pF	±0.05pF	GRM1885C1H5R8WA01#
	1007		MIL	±0.1pF	GRM1885C1H5R8BA01#
		Z.CV		±0.25pF	GRM1885C1H5R8CA01#
	1.In	V C		±0.5pF	GRM1885C1H5R8DA01#
	N.10	7.	5.9pF	±0.05pF	GRM1885C1H5R9WA01#
	-11	01.		±0.1pF	GRM1885C1H5R9BA01#
	1111.	001		±0.25pF	GRM1885C1H5R9CA01#
	WW.	TOO .		±0.5pF	GRM1885C1H5R9DA01#
	1	700	6.0pF	±0.05pF	GRM1885C1H6R0WA01#
	MAN	-110	0.001	±0.1pF	GRM1885C1H6R0BA01#
	WW	W. 7.		±0.25pF	GRM1885C1H6R0CA01#
	-75	$\sqrt{N}$ .		±0.5pF	GRM1885C1H6R0DA01#
	411	- TXXI	6.1pE		2 01
	W	Was	6.1pF	±0.05pF	GRM1885C1H6R1WA01#
		WV		±0.1pF	GRM1885C1H6R1BA01#
				±0.25pF	GRM1885C1H6R1CA01#
		MAA	10	±0.5pF	GRM1885C1H6R1DA01#
		W	6.2pF	±0.05pF	GRM1885C1H6R2WA01#
				±0.1pF	GRM1885C1H6R2BA01#
		- 1/1		±0.25pF	GRM1885C1H6R2CA01#
		1	MAI.	±0.5pF	GRM1885C1H6R2DA01#
			6.3pF	±0.05pF	GRM1885C1H6R3WA01#
				±0.1pF	GRM1885C1H6R3BA01#
				±0.25pF	GRM1885C1H6R3CA01#
			W	±0.5pF	GRM1885C1H6R3DA01#
			6.4pF	±0.05pF	GRM1885C1H6R4WA01#
				±0.1pF	GRM1885C1H6R4BA01#
				±0.25pF	GRM1885C1H6R4CA01#
				±0.5pF	GRM1885C1H6R4DA01#
			6.5pF	±0.05pF	GRM1885C1H6R5WA01#
				±0.1pF	GRM1885C1H6R5BA01#
				±0.25pF	GRM1885C1H6R5CA01#
				±0.5pF	GRM1885C1H6R5DA01#
			6.6pF	±0.05pF	GRM1885C1H6R6WA01#
				±0.1pF	GRM1885C1H6R6BA01#
				±0.25pF	GRM1885C1H6R6CA01#
				±0.5pF	GRM1885C1H6R6DA01#
			6.7pF	±0.05pF	GRM1885C1H6R7WA01#
			þ.	±0.1pF	GRM1885C1H6R7BA01#

T max.	Rated Voltage	TC Code	Cap.	Tol.	Part Number	
0.9mm	50Vdc	COG	6.7pF	±0.25pF	GRM1885C1H6R7CA01#	
	JU - 1 (	ON		±0.5pF	GRM1885C1H6R7DA01#	
	100%		6.8pF	±0.05pF	GRM1885C1H6R8WA01#	
	1007	CO		±0.1pF	GRM1885C1H6R8BA01#	
	.10	V.C		±0.25pF	GRM1885C1H6R8CA01#	
	N.100	-7 (		±0.5pF	GRM1885C1H6R8DA01#	
	W 10	01.	6.9pF	±0.05pF	GRM1885C1H6R9WA01#	
	1	OV.		±0.1pF	GRM1885C1H6R9BA01#	
	$M_{M^{*}}$			±0.25pF	GRM1885C1H6R9CA01#	
	WW	100		±0.5pF	GRM1885C1H6R9DA01#	
		1.100	7.0pF	±0.05pF	GRM1885C1H7R0WA01#	
	MM	-110		±0.1pF	GRM1885C1H7R0BA01#	
	WW	11.2		±0.25pF	GRM1885C1H7R0CA01#	
		TVI.		±0.5pF	GRM1885C1H7R0DA01#	
	1111		7.1pF	±0.05pF	GRM1885C1H7R1WA01#	
	W	William		±0.1pF	GRM1885C1H7R1BA01#	
		TWY		±0.25pF	GRM1885C1H7R1CA01#	
				±0.5pF	GRM1885C1H7R1DA01#	
		MA	7.2pF	±0.05pF	GRM1885C1H7R2WA01#	_
		W	NA.	±0.1pF	GRM1885C1H7R2BA01#	_
				±0.25pF	GRM1885C1H7R2CA01#	_
				±0.5pF	GRM1885C1H7R2DA01#	_
	N	1	7.3pF	±0.05pF	GRM1885C1H7R3WA01#	_
	W		WW	±0.1pF	GRM1885C1H7R3BA01#	_
				±0.25pF	GRM1885C1H7R3CA01#	_
	IN			±0.5pF	GRM1885C1H7R3DA01#	_
	WIT		7.4pF	±0.05pF	GRM1885C1H7R4WA01#	_
	T.	V .	71.6	±0.1pF	GRM1885C1H7R4BA01#	_
	M.r.	- 1 T		±0.25pF	GRM1885C1H7R4CA01#	_
	T.Mo	M		±0.5pF	GRM1885C1H7R4DA01#	_
	O S N	W	7.5pF	±0.05pF	GRM1885C1H7R5WA01#	-
	$\mathbb{C}_{\mathbf{O}_{Mr}}$		7.001	±0.1pF	GRM1885C1H7R5BA01#	V
	CON			±0.25pF	GRM1885C1H7R5CA01#	- 1
				±0.5pF	GRM1885C1H7R5DA01#	1
	V.CO	7	7.6pF	±0.05pF	GRM1885C1H7R6WA01#	1
	V.CC	Mr.	7.001	±0.05pi	GRM1885C1H7R6BA01#	_
	0 2.	OM		-	GRM1885C1H7R6CA01#	A
	001.			±0.25pF	GRM1885C1H7R6DA01#	
	. cox	$Co_r$	7.7- 5	±0.5pF	4/ // / / / / / / / / / / / / / / / / /	
	Too	CO	7.7pF	±0.05pF	GRM1885C1H7R7WA01#	0
	1.700			±0.1pF	GRM1885C1H7R7BA01#	ч
	100	N.C		±0.25pF	GRM1885C1H7R7CA01#	
	N.1	N.C	Ohr	±0.5pF	GRM1885C1H7R7DA01#	
	1W.11	JU - 47	7.8pF	±0.05pF	GRM1885C1H7R8WA01#	V
	LTXN 1	001		±0.1pF	GRM1885C1H7R8BA01#	3-
	W. A.	100		±0.25pF	GRM1885C1H7R8CA01#	0
	WWW	.10	N.CC	±0.5pF	GRM1885C1H7R8DA01#	
	TXXIX	1.10	7.9pF	±0.05pF	GRM1885C1H7R9WA01#	
	MA	xx 1		±0.1pF	GRM1885C1H7R9BA01#	
	WW	11.		±0.25pF	GRM1885C1H7R9CA01#	
	- 11	WW.	In	±0.5pF	GRM1885C1H7R9DA01#	
	N.	[	8.0pF	±0.05pF	GRM1885C1H8R0WA01#	
				±0.1pF	GRM1885C1H8R0BA01#	
				±0.25pF	GRM1885C1H8R0CA01#	
				±0.5pF	GRM1885C1H8R0DA01#	_

GJM Series

GMA Series

GMD Series GQM Series

**GRJ** Series

LLR Series

# **GRM Series Temperature Compensating Type** Part Number List

	18.0×0.	11111)					.10	1 CON	1300	×1			_
T max.	Rated Voltage	TC Code	Сар.	Tol.	Part Number		T max.	Rated Voltage	TC Code	Cap.	Tol.	Part Number	
0.9mm	50Vdc	COG	8.1pF	±0.05pF	GRM1885C1H8R1WA01#	-111	0.9mm	50Vdc	COG	9.4pF	±0.25pF	GRM1885C1H9R4CA01#	İ
				±0.1pF	GRM1885C1H8R1BA01#	<del>- 1</del> 11		10 7.	NO.		±0.5pF	GRM1885C1H9R4DA01#	İ
	W			±0.25pF	GRM1885C1H8R1CA01#	W.		001.	. 01	9.5pF	±0.05pF	GRM1885C1H9R5WA01#	İ
				±0.5pF	GRM1885C1H8R1DA01#			A OON	Co		±0.1pF	GRM1885C1H9R5BA01#	t
			8.2pF	±0.05pF	GRM1885C1H8R2WA01#			Too	J CC		±0.25pF	GRM1885C1H9R5CA01#	t
	TIN			±0.1pF	GRM1885C1H8R2BA01#			N.100	7.		±0.5pF	GRM1885C1H9R5DA01#	t
	VTT	N		±0.25pF	GRM1885C1H8R2CA01#			-x1 10	11.	9.6pF	±0.05pF	GRM1885C1H9R6WA01#	t
	Mr.	W.		±0.5pF	GRM1885C1H8R2DA01#			11	00¥.		±0.1pF	GRM1885C1H9R6BA01#	t
	$O_{M'I}$		8.3pF	±0.05pF	GRM1885C1H8R3WA01#	NI		$N_{M''}$			±0.25pF	GRM1885C1H9R6CA01#	İ
	OM	IM		±0.1pF	GRM1885C1H8R3BA01#	-		. W.	700,		±0.5pF	GRM1885C1H9R6DA01#	t
	CON	TV		±0.25pF	GRM1885C1H8R3CA01#	M.			100	9.7pF	±0.05pF	GRM1885C1H9R7WA01#	t
	$CO_N$	1.0 2		±0.5pF	GRM1885C1H8R3DA01#	TW		NW	4.0	V.C.	±0.1pF	GRM1885C1H9R7BA01#	t
	- c01	$M_{r,T}$	8.4pF	±0.05pF	GRM1885C1H8R4WA01#	- 1		· TW	11.77		±0.25pF	GRM1885C1H9R7CA01#	t
	1	M	I.M.	±0.1pF	GRM1885C1H8R4BA01#	LT		NA .	w.1		±0.5pF	GRM1885C1H9R7DA01#	t
	V.C.	) Tri-		±0.25pF	GRM1885C1H8R4CA01#	WILL		W	N 1	9.8pF	±0.05pF	GRM1885C1H9R8WA01#	t
	~ C	$O_{N_{I}}$		±0.5pF	GRM1885C1H8R4DA01#	- TY		W	WW	4007	±0.1pF	GRM1885C1H9R8BA01#	t
	00 7.	CO1	8.5pF	±0.05pF	GRM1885C1H8R5WA01#	$2M_{I}$ .					±0.25pF	GRM1885C1H9R8CA01#	t
	100%		MTV	±0.1pF	GRM1885C1H8R5BA01#	OMI					±0.5pF	GRM1885C1H9R8DA01#	t
		I.Cu		±0.25pF	GRM1885C1H8R5CA01#	<u></u>			WW	9.9pF	±0.05pF	GRM1885C1H9R9WA01#	t
	1.700	V.C		±0.5pF	GRM1885C1H8R5DA01#	COL			W	N N.	±0.1pF	GRM1885C1H9R9BA01#	t
	W.10	) **	8.6pF	±0.05pF	GRM1885C1H8R6WA01#	J CON					±0.25pF	GRM1885C1H9R9CA01#	t
	- XI 10	101.		±0.1pF	GRM1885C1H8R6BA01#	- 60		-1			±0.5pF	GRM1885C1H9R9DA01#	t
	1	001		±0.25pF	GRM1885C1H8R6CA01#	14.		N		10pF	±5%	GRM1885C1H100JA01#	T
	WW.	10		±0.5pF	GRM1885C1H8R6DA01#	ON C		W		12pF	±5%	GRM1885C1H120JA01#	İ
	TANIN	100	8.7pF	±0.05pF	GRM1885C1H8R7WA01#	<u> </u>		- XX		15pF	±5%	GRM1885C1H150JA01#	İ
	N. A.	N.10		±0.1pF	GRM1885C1H8R7BA01#	100 1.		1		18pF	±5%	GRM1885C1H180JA01#	Ī
	MM.	-11		±0.25pF	GRM1885C1H8R7CA01#	1007		LTW		22pF	±5%	GRM1885C1H220JA01#	T
	WW	111.3		±0.5pF	GRM1885C1H8R7DA01#	100		VTT	N I	27pF	±5%	GRM1885C1H270JA01#	Ī
		NW	8.8pF	±0.05pF	GRM1885C1H8R8WA01#	M.To.		Mr.	N	33pF	±5%	GRM1885C1H330JA01#	Ī
	N			±0.1pF	GRM1885C1H8R8BA01#	TN .10		$0_{M:I}$	_ 1	39pF	±5%	GRM1885C1H390JA01#	Ī
	V			±0.25pF	GRM1885C1H8R8CA01#	-xx1 1		.M		47pF	±5%	GRM1885C1H470JA01#	Ī
	-	WW		±0.5pF	GRM1885C1H8R8DA01#	M.,		(U)	W	56pF	±5%	GRM1885C1H560JA01#	Ī
			8.9pF	±0.05pF	GRM1885C1H8R9WA01#	W.		$CO_{M}$		68pF	±5%	GRM1885C1H680JA01#	Ī
		W.		±0.1pF	GRM1885C1H8R9BA01#			1 CO	17.7	82pF	±5%	GRM1885C1H820JA01#	Ī
		W		±0.25pF	GRM1885C1H8R9CA01#			1.0	M.T	100pF	±5%	GRM1885C1H101JA01#	Ī
				±0.5pF	GRM1885C1H8R9DA01#	MM.		M.C.	V -	120pF	±5%	GRM1885C1H121JA01#	Ī
			9.0pF	±0.05pF	GRM1885C1H9R0WA01#	WV		NV.C	$O_{M}$	150pF	±5%	GRM1885C1H151JA01#	
				±0.1pF	GRM1885C1H9R0BA01#	- N		JU =	00	180pF	±5%	GRM1885C1H181JA01#	
				±0.25pF	GRM1885C1H9R0CA01#			1001	40	220pF	±5%	GRM1885C1H221JA01#	Ī
			W	±0.5pF	GRM1885C1H9R0DA01#	_		1,1007		270pF	±5%	GRM1885C1H271JA01#	Ī
			9.1pF	±0.05pF	GRM1885C1H9R1WA01#				V.C	330pF	±5%	GRM1885C1H331JA01#	
				±0.1pF	GRM1885C1H9R1BA01#			W.100		390pF	±5%	GRM1885C1H391JA01#	
				±0.25pF	GRM1885C1H9R1CA01#			W.10	01.	470pF	±5%	GRM1885C1H471JA01#	
				±0.5pF	GRM1885C1H9R1DA01#			1	001	560pF	±5%	GRM1885C1H561JA01#	
			9.2pF	±0.05pF	GRM1885C1H9R2WA01#	N		WW.		680pF	±5%	GRM1885C1H681JA01#	
				±0.1pF	GRM1885C1H9R2BA01#			UWW	100	820pF	±5%	GRM1885C1H821JA01#	
				±0.25pF	GRM1885C1H9R2CA01#	LA.			V.10	1000pF	±5%	GRM1885C1H102JA01#	
				±0.5pF	GRM1885C1H9R2DA01#	TW		WW	- - 1 1	1200pF	±5%	GRM1885C1H122JA01#	
			9.3pF	±0.05pF	GRM1885C1H9R3WA01#	TW.		WW	11.7	1500pF	±5%	GRM1885C1H152JA01#	
				±0.1pF	GRM1885C1H9R3BA01#	1.1			NV.	1800pF	±5%	GRM1885C1H182JA01#	
				±0.25pF	GRM1885C1H9R3CA01#	MITY		W		2200pF	±5%	GRM1885C1H222JA01#	1
				±0.5pF	GRM1885C1H9R3DA01#	- T				2700pF	±5%	GRM1885C1H272JA01#	1
			9.4pF	±0.05pF	GRM1885C1H9R4WA01#	$O_{M_{P}}$				3300pF	±5%	GRM1885C1H332JA01#	1
				±0.1pF	GRM1885C1H9R4BA01#					3900pF	±5%	GRM1885C1H392JA01#	

T max.	Rated Voltage	TC Code	Cap.	Tol.	Part Number
0.9mm	50Vdc	COG	4700pF	±5%	GRM1885C1H472JA01#
			5600pF	±5%	GRM1885C1H562JA01#
			6800pF	±5%	GRM1885C1H682JA01#
	TVV		8200pF	±5%	GRM1885C1H822JA01#
	- 1		10000pF	±5%	GRM1885C1H103JA01#
	TIM	CK	0.50pF	±0.05pF	GRM1884C1HR50WA01#
		N	V	±0.1pF	GRM1884C1HR50BA01#
	Mr.	(N	0.60pF	±0.05pF	GRM1884C1HR60WA01#
	OM.	1		±0.1pF	GRM1884C1HR60BA01#
	Low.	IM	0.70pF	±0.05pF	GRM1884C1HR70WA01#
	COR	TV	1	±0.1pF	GRM1884C1HR70BA01#
	CON	1.0	0.80pF	±0.05pF	GRM1884C1HR80WA01#
	00	$V_{IJ}$		±0.1pF	GRM1884C1HR80BA01#
	Y.C.	717	0.90pF	±0.05pF	GRM1884C1HR90WA01#
	V.C	Diar.		±0.1pF	GRM1884C1HR90BA01#
	-7 (	OM	1.0pF	±0.05pF	GRM1884C1H1R0WA01#
	001.		1.001	±0.05pi	GRM1884C1H1R0BA01#
	100Y	Co	VIII	±0.1pr ±0.25pF	GRM1884C1H1R0CA01#
	700	$_{I}$ .CC	1.15	76.7	
	N.100	- 0	1.1pF	±0.05pF	GRM1884C1H1R1WA01#
	100	N.C	·M	±0.1pF	GRM1884C1H1R1BA01#
	W	N.	ZOP-	±0.25pF	GRM1884C1H1R1CA01#
	MN.7	JU - 1	1.2pF	±0.05pF	GRM1884C1H1R2WA01#
	TXN.	1003	100	±0.1pF	GRM1884C1H1R2BA01#
11	11111	100	V.Co	±0.25pF	GRM1884C1H1R2CA01#
	NWW	.10	1.3pF	±0.05pF	GRM1884C1H1R3WA01#
	- XX	N.10	-7 C	±0.1pF	GRM1884C1H1R3BA01#
	1111	· 1	001.	±0.25pF	GRM1884C1H1R3CA01#
	WW	111.	1.4pF	±0.05pF	GRM1884C1H1R4WA01#
	-31	WW	In	±0.1pF	GRM1884C1H1R4BA01#
	111	- 11	1.700 ,	±0.25pF	GRM1884C1H1R4CA01#
	V	1111	1.5pF	±0.05pF	GRM1884C1H1R5WA01#
		WW	W	±0.1pF	GRM1884C1H1R5BA01#
			M.70	±0.25pF	GRM1884C1H1R5CA01#
		M.	1.6pF	±0.05pF	GRM1884C1H1R6WA01#
		W	W. A.	±0.1pF	GRM1884C1H1R6BA01#
			UWW	±0.25pF	GRM1884C1H1R6CA01#
			1.7pF	±0.05pF	GRM1884C1H1R7WA01#
			MAN	±0.1pF	GRM1884C1H1R7BA01#
			WW	±0.25pF	V CU
			1.8pF	±0.05pF	
				±0.1pF	GRM1884C1H1R8BA01#
			W	±0.1pi	
			1.9pF	±0.25pF	
			1.3pF	- 3	
				±0.1pF	GRM1884C1H1R9BA01#
			00-5	±0.25pF	GRM1884C1H1R9CA01#
			2.0pF	±0.05pF	
				±0.1pF	GRM1884C1H2R0BA01#
				±0.25pF	GRM1884C1H2R0CA01#
		CJ	2.1pF	±0.05pF	GRM1883C1H2R1WA01#
				±0.1pF	GRM1883C1H2R1BA01#
				±0.25pF	GRM1883C1H2R1CA01#
			2.2pF	±0.05pF	GRM1883C1H2R2WA01#
				±0.1pF	GRM1883C1H2R2BA01#
	1	1		±0.25pF	GRM1883C1H2R2CA01#

T max.	Rated Voltage	TC Code	Сар.	Tol.	Part Number	
0.9mm	50Vdc	CJ	2.3pF	±0.05pF	GRM1883C1H2R3WA01#	
	W = 7 (	MO.		±0.1pF	GRM1883C1H2R3BA01#	
	001.			±0.25pF	GRM1883C1H2R3CA01#	
	100Y	CO	2.4pF	±0.05pF	GRM1883C1H2R4WA01#	
	.700	J CC		±0.1pF	GRM1883C1H2R4BA01#	
	N.100	7.		±0.25pF	GRM1883C1H2R4CA01#	
	-x1 10	01.0	2.5pF	±0.05pF	GRM1883C1H2R5WA01#	
	11.5	NO.	COn	±0.1pF	GRM1883C1H2R5BA01#	
	NW.	00-		±0.25pF	GRM1883C1H2R5CA01#	
		7003	2.6pF	±0.05pF	GRM1883C1H2R6WA01#	
	M. A.	- 100	2.00.	±0.1pF	GRM1883C1H2R6BA01#	
	NVV	1.1		±0.25pF	GRM1883C1H2R6CA01#	
		W.11	2.7pF	±0.05pF	GRM1883C1H2R7WA01#	
	MAA	_ 1 1	2.7pr	100		
	W	1111.		±0.1pF	GRM1883C1H2R7BA01#	
			700	±0.25pF	GRM1883C1H2R7CA01#	
	111		2.8pF	±0.05pF	GRM1883C1H2R8WA01#	
				±0.1pF	GRM1883C1H2R8BA01#	
			11.10	±0.25pF	GRM1883C1H2R8CA01#	
			2.9pF	±0.05pF	GRM1883C1H2R9WA01#	
		W		±0.1pF	GRM1883C1H2R9BA01#	
		1	MM.	±0.25pF	GRM1883C1H2R9CA01#	
	×1		3.0pF	±0.05pF	GRM1883C1H3R0WA01#	
	14			±0.1pF	GRM1883C1H3R0BA01#	
	W			±0.25pF	GRM1883C1H3R0CA01#	
			3.1pF	±0.05pF	GRM1883C1H3R1WA01#	
	J. A.			±0.1pF	GRM1883C1H3R1BA01#	
	TIN			±0.25pF	GRM1883C1H3R1CA01#	
	TV.	N I	3.2pF	±0.05pF	GRM1883C1H3R2WA01#	
	Mir	CM.		±0.1pF	GRM1883C1H3R2BA01#	
	T.Mc	N		±0.25pF	GRM1883C1H3R2CA01#	- 1
	- K 1		3.3pF	±0.05pF	GRM1883C1H3R3WA01#	-
	COM.		0.001	±0.1pF	GRM1883C1H3R3BA01#	V
	COM			<u> </u>		
		AT	0.4=5	±0.25pF	GRM1883C1H3R3CA01#	T
	V.CO	- 17	3.4pF	±0.05pF	GRM1883C1H3R4WA01#	-1
	-7 CC	1		±0.1pF	GRM1883C1H3R4BA01#	)r.o.,
	01.0	M	IN	±0.25pF	GRM1883C1H3R4CA01#	N
	OOY.C	O.	3.5pF	±0.05pF	GRM1883C1H3R5WA01#	
		$CO_{\bar{D}}$		±0.1pF	GRM1883C1H3R5BA01#	) I.
	700 7.	_c0	$M_{i,T,i}$	±0.25pF	GRM1883C1H3R5CA01#	0
	100		3.6pF	±0.05pF	GRM1883C1H3R6WA01#	
	1.2	V.C		±0.1pF	GRM1883C1H3R6BA01#	
	M.To	-7		±0.25pF	GRM1883C1H3R6CA01#	
	-XI 10	07.	3.7pF	±0.05pF	GRM1883C1H3R7WA01#	
	111.	OOX		±0.1pF	GRM1883C1H3R7BA01#	N
	WW.	100		±0.25pF	GRM1883C1H3R7CA01#	.01
	- XT XN	100	3.8pF	±0.05pF	GRM1883C1H3R8WA01#	300
	MM .	KT 10	N.C.	±0.1pF	GRM1883C1H3R8BA01#	
	WW	N.F.		±0.25pF	GRM1883C1H3R8CA01#	_
	V	W.1	3 0nE	10/12	GRM1883C1H3R9WA01#	
	MA	- 1	3.9pF	±0.05pF		
	W	MM.		±0.1pF	GRM1883C1H3R9BA01#	
		6		±0.25pF	GRM1883C1H3R9CA01#	
		CH	4.0pF	±0.05pF	GRM1882C1H4R0WA01#	
				±0.1pF	GRM1882C1H4R0BA01#	

# GJM Series

**GMA** Series

**GMD** Series GQM Series

**GRJ** Series GR3 Series

# **GRM Series Temperature Compensating Type** Part Number List

T max.	Rated Voltage	TC Code	Сар.	Tol.	Part Number	WW	T max.	Rated Voltage	TC Code	Сар.	Tol
.9mm	50Vdc	СН	4.1pF	±0.05pF	GRM1882C1H4R1WA01#		0.9mm	50Vdc	СН	5.7pF	±0.05
				±0.1pF	GRM1882C1H4R1BA01#			-7 (	NO.		±0.1
				±0.25pF	GRM1882C1H4R1CA01#			00%			±0.25
	TV		4.2pF	±0.05pF	GRM1882C1H4R2WA01#	1		1007	CO		±0.5
	- 1			±0.1pF	GRM1882C1H4R2BA01#			· ro	J.C	5.8pF	±0.05
	TIM			±0.25pF	GRM1882C1H4R2CA01#			N.100	-7 C		±0.1
	TT	V	4.3pF	±0.05pF	GRM1882C1H4R3WA01#			-xi 10	01.		±0.25
	Mr.	W		±0.1pF	GRM1882C1H4R3BA01#			1	ooy.		±0.5
	$OM_{IJ}$			±0.25pF	GRM1882C1H4R3CA01#	NI.		$MM^{-1}$		5.9pF	±0.05
	. Mo.	IN	4.4pF	±0.05pF	GRM1882C1H4R4WA01#			WIN	700		±0.1
	Cor	TV		±0.1pF	GRM1882C1H4R4BA01#	M		1111	100		±0.25
	$CO_{\tilde{D}}$	1.0 2		±0.25pF	GRM1882C1H4R4CA01#	TW		WWW	100		±0.5
	. c0	$V_{i,T}$	4.5pF	±0.05pF	GRM1882C1H4R5WA01#			TIN	11.77	6.0pF	±0.05
	1.00	717	I.M.	±0.1pF	GRM1882C1H4R5BA01#	T.T.		///	TXX 1	00.7.	±0.1
	V.C	)Mr.		±0.25pF	GRM1882C1H4R5CA01#	W		W			±0.25
	-7 (	OM	4.6pF	±0.05pF	GRM1882C1H4R6WA01#	M.		<b>**</b>	WW		±0.5
	001.		4.0pi	±0.1pF	GRM1882C1H4R6BA01#	<u> </u>				6.1pF	±0.05
	TOOY.	Co		-	31	2017			11.	0.1pi	
	100	$_{I}$ CC	4.7nF	±0.25pF	GRM1882C1H4R6CA01#	40 Mg			WW		±0.1
	V.100	- 0	4.7pF	±0.05pF	GRM1882C1H4R7WA01#	COM			- 11		±0.25
	100	N.C		±0.1pF	GRM1882C1H4R7BA01#				111	20.5	±0.5
	11	ov.	CO = 1	±0.25pF	GRM1882C1H4R7CA01#	TO			V	6.2pF	±0.05
	$MM^{-1}$	)	4.8pF	±0.05pF	GRM1882C1H4R8WA01#	CO.		N	4		±0.1
	TXN.	100,		±0.1pF	GRM1882C1H4R8BA01#	0 5		- <b>X</b> T			±0.25
	111.	100	1.00	±0.25pF	GRM1882C1H4R8CA01#	007				1111	±0.5
	NWW		4.9pF	±0.05pF	GRM1882C1H4R9WA01#	Y.C		WT		6.3pF	±0.05
		N.70		±0.1pF	GRM1882C1H4R9BA01#	To-		. TW			±0.1
	M.	$\sim 1.1$	001.	±0.25pF	GRM1882C1H4R9CA01#	1100 2		1.1	11		±0.25
	W		5.0pF	±0.05pF	GRM1882C1H5R0WA01#	-1400°		VI.TV	N		±0.5
	XXI"	NW		±0.1pF	GRM1882C1H5R0BA01#	M		T	W	6.4pF	±0.05
			1.100	±0.25pF	GRM1882C1H5R0CA01#	(IN) In		$0y_{I}$ .	CV		±0.1
	- V		5.1pF	±0.05pF	GRM1882C1H5R1WA01#	1.1		Mo.	7.		±0.25
		WW		±0.1pF	GRM1882C1H5R1BA01#	N 1			TW		±0.5
		******		±0.25pF	GRM1882C1H5R1CA01#			COR		6.5pF	±0.05
			AIN!	±0.5pF	GRM1882C1H5R1DA01#	LANN			VI		±0.1
		11	5.2pF	±0.05pF	GRM1882C1H5R2WA01#	N ·		1.0	M.		±0.25
		1		±0.1pF	GRM1882C1H5R2BA01#	MAN		O.Y.C.	140		±0.5
				±0.25pF	GRM1882C1H5R2CA01#			O.Y.C	Oh	6.6pF	±0.05
			11	±0.5pF	GRM1882C1H5R2DA01#			JO - 1	$CO_{\overline{D}}$		±0.1
			5.3pF	±0.05pF	GRM1882C1H5R3WA01#			100x.	0		±0.25
				±0.1pF	GRM1882C1H5R3BA01#			100		TIL	±0.5
				±0.25pF	GRM1882C1H5R3CA01#			1.10	V.C	6.7pF	±0.05
				±0.5pF	GRM1882C1H5R3DA01#			W.10	-7 (		±0.1
			5.4pF	±0.05pF	GRM1882C1H5R4WA01#			-XX 10	01.		±0.25
				±0.1pF	GRM1882C1H5R4BA01#			1111	001		±0.5
				±0.25pF	GRM1882C1H5R4CA01#	cXI		WW.		6.8pF	±0.05
				±0.5pF	GRM1882C1H5R4DA01#				700		±0.1
			5.5pF	±0.05pF	GRM1882C1H5R5WA01#	C.M.		AM.	KT 10		±0.25
			·	±0.1pF	GRM1882C1H5R5BA01#			WW			±0.5
				±0.25pF	-31 10 <sup>1</sup>	- 1		- KIN	W.7	6.9pF	±0.05
				±0.5pF	GRM1882C1H5R5DA01#	VI.I.		Ma	NIN.	100,7	±0.1
			5.6pF	±0.05pF	GRM1882C1H5R6WA01#	W IV		W	14 4.		±0.25
	I		5.0pi		31111	A.V.					
				±0 10E	GRIVI 1002C I HORNDAILLE						
				±0.1pF ±0.25pF	GRM1882C1H5R6BA01# GRM1882C1H5R6CA01#	$O_{M_{I,J}}$				7.0pF	±0.5

TC Code	Cap.	Tol.	Part Number	
СН	5.7pF	±0.05pF	GRM1882C1H5R7WA01#	
ON		±0.1pF	GRM1882C1H5R7BA01#	
1		±0.25pF	GRM1882C1H5R7CA01#	
		±0.5pF	GRM1882C1H5R7DA01#	
C	5.8pF	±0.05pF	GRM1882C1H5R8WA01#	
-1 (		±0.1pF	GRM1882C1H5R8BA01#	
1.		±0.25pF	GRM1882C1H5R8CA01#	
OV.	- n/	±0.5pF	GRM1882C1H5R8DA01#	
200	5.9pF	±0.05pF	GRM1882C1H5R9WA01#	
,UU		±0.1pF	GRM1882C1H5R9BA01#	
100		±0.25pF	GRM1882C1H5R9CA01#	
a 10	OXIC	±0.5pF	GRM1882C1H5R9DA01#	
1.2	6.0pF	±0.05pF	GRM1882C1H6R0WA01#	
W.		±0.1pF	GRM1882C1H6R0BA01#	
		±0.25pF	GRM1882C1H6R0CA01#	
	100	±0.5pF	GRM1882C1H6R0DA01#	
W	6.1pF	±0.05pF	GRM1882C1H6R1WA01#	
TV.		±0.1pF	GRM1882C1H6R1BA01#	
N.		±0.25pF	GRM1882C1H6R1CA01#	
W	N 1	±0.5pF	GRM1882C1H6R1DA01#	
V	6.2pF	±0.05pF	GRM1882C1H6R2WA01#	
		±0.1pF	GRM1882C1H6R2BA01#	
		±0.25pF	GRM1882C1H6R2CA01#	
	MAN	±0.5pF	GRM1882C1H6R2DA01#	
	6.3pF	±0.05pF	GRM1882C1H6R3WA01#	
		±0.1pF	GRM1882C1H6R3BA01#	
		±0.25pF	GRM1882C1H6R3CA01#	
	V	±0.5pF	GRM1882C1H6R3DA01#	
V	6.4pF	±0.05pF	GRM1882C1H6R4WA01#	
		±0.1pF	GRM1882C1H6R4BA01#	ĸ
		±0.25pF	GRM1882C1H6R4CA01#	1
ΙŊ		±0.5pF	GRM1882C1H6R4DA01#	11
T	6.5pF	±0.05pF	GRM1882C1H6R5WA01#	TV
1. 1		±0.1pF	GRM1882C1H6R5BA01#	
M.		±0.25pF	GRM1882C1H6R5CA01#	1.1
10	TW	±0.5pF	GRM1882C1H6R5DA01#	M.7
) [	6.6pF	±0.05pF	GRM1882C1H6R6WA01#	
OJ		±0.1pF	GRM1882C1H6R6BA01#	$\mathfrak{I}_{Mn}$
<u> </u>		±0.25pF	GRM1882C1H6R6CA01#	101
	TIME	±0.5pF	GRM1882C1H6R6DA01#	
I.C	6.7pF	±0.05pF	GRM1882C1H6R7WA01#	C
J (		±0.1pF	GRM1882C1H6R7BA01#	J.C
) 7.		±0.25pF	GRM1882C1H6R7CA01#	-16
101X		±0.5pF	GRM1882C1H6R7DA01#	77.
'مم	6.8pF	±0.05pF	GRM1882C1H6R8WA01#	nosi
Too		±0.1pF	GRM1882C1H6R8BA01#	
.10		±0.25pF	GRM1882C1H6R8CA01#	
xī 1	00 X.C.	±0.5pF	GRM1882C1H6R8DA01#	
11.	6.9pF	±0.05pF	GRM1882C1H6R9WA01#	
W.		±0.1pF	GRM1882C1H6R9BA01#	
		±0.25pF	GRM1882C1H6R9CA01#	
		±0.5pF	GRM1882C1H6R9DA01#	
	7.0pF	±0.05pF	GRM1882C1H7R0WA01#	
		±0.1pF	GRM1882C1H7R0BA01#	
	Part nur	nber # indic	ates the package specification	code.

# \_ \_ \_ Caution/

# **GRM Series Temperature Compensating Type Part Number List**

T max.	Rated Voltage	TC Code	Сар.	Tol.	Part Number
0.9mm	50Vdc	СН	7.0pF	±0.25pF	GRM1882C1H7R0CA01#
			N T	±0.5pF	GRM1882C1H7R0DA01#
	W		7.1pF	±0.05pF	GRM1882C1H7R1WA01#
	TV		WV	±0.1pF	GRM1882C1H7R1BA01#
				±0.25pF	GRM1882C1H7R1CA01#
	LTW		N.	±0.5pF	GRM1882C1H7R1DA01#
		N	7.2pF	±0.05pF	GRM1882C1H7R2WA01#
	Mr.	XX		±0.1pF	GRM1882C1H7R2BA01#
	OM.			±0.25pF	GRM1882C1H7R2CA01#
		TW		±0.5pF	GRM1882C1H7R2DA01#
	$\mathbb{C}_{\mathbf{O}_{Mr}}$		7.3pF	±0.05pF	GRM1882C1H7R3WA01#
	CON	1.1	7.001	±0.1pF	GRM1882C1H7R3BA01#
		T.IV	1/4		3 100
	Y.CU		W	±0.25pF	GRM1882C1H7R3CA01#
	N C	DIAT.		±0.5pF	GRM1882C1H7R3DA01#
	01.	Mo	7.4pF	±0.05pF	GRM1882C1H7R4WA01#
	001.		TIN	±0.1pF	GRM1882C1H7R4BA01#
	OOV	$C_{O_{\tilde{I}}}$	TV	±0.25pF	GRM1882C1H7R4CA01#
	700 -	, CC	Mir	±0.5pF	GRM1882C1H7R4DA01#
	100		7.5pF	±0.05pF	GRM1882C1H7R5WA01#
	- 100	Y.C	- N T	±0.1pF	GRM1882C1H7R5BA01#
	M.To.	-J	$CO_{Mr}$	±0.25pF	GRM1882C1H7R5CA01#
	WW.1	M 7.		±0.5pF	GRM1882C1H7R5DA01#
	N 1	007	7.6pF	±0.05pF	GRM1882C1H7R6WA01#
	MM.	. 00	V.CO	±0.1pF	GRM1882C1H7R6BA01#
	TANV	Tan	47 CC	±0.25pF	GRM1882C1H7R6CA01#
		N 10	01.	±0.5pF	GRM1882C1H7R6DA01#
	MM	1	7.7pF	±0.05pF	GRM1882C1H7R7WA01#
	TAIN	M.,		±0.1pF	GRM1882C1H7R7BA01#
		NIN	700	±0.25pF	GRM1882C1H7R7CA01#
	W	MA .	1100	±0.5pF	GRM1882C1H7R7DA01#
	V		7.8pF	±0.05pF	GRM1882C1H7R8WA01#
		-111	(V.)	±0.1pF	GRM1882C1H7R8BA01#
		Mar.	TXV 10	±0.25pF	GRM1882C1H7R8CA01#
		W	1	±0.25pf	GRM1882C1H7R8DA01#
		11	7.0nE	±0.05pF	GRM1882C1H7R9WA01#
			7.9pF	10-	GRM1882C1H7R9BA01#
				±0.1pF	
			WW	±0.25pF	GRM1882C1H7R9CA01#
			-315	±0.5pF	GRM1882C1H7R9DA01#
			8.0pF	±0.05pF	- (1)
			W	±0.1pF	GRM1882C1H8R0BA01#
			11	±0.25pF	GRM1882C1H8R0CA01#
				±0.5pF	GRM1882C1H8R0DA01#
			8.1pF	±0.05pF	GRM1882C1H8R1WA01#
				±0.1pF	GRM1882C1H8R1BA01#
				±0.25pF	GRM1882C1H8R1CA01#
				±0.5pF	GRM1882C1H8R1DA01#
			8.2pF	±0.05pF	GRM1882C1H8R2WA01#
				±0.1pF	GRM1882C1H8R2BA01#
				±0.25pF	GRM1882C1H8R2CA01#
				±0.5pF	GRM1882C1H8R2DA01#
			8.3pF	±0.05pF	GRM1882C1H8R3WA01#
				±0.1pF	GRM1882C1H8R3BA01#
				±0.25pF	GRM1882C1H8R3CA01#
	1	1	I .	uupi	S. IN TOOL STITION SUMMER

T max.	Rated Voltage	TC Code	Cap.	Tol.	Part Number	
0.9mm	50Vdc	СН	8.4pF	±0.05pF	GRM1882C1H8R4WA01#	
	- T	ON		±0.1pF	GRM1882C1H8R4BA01#	
	100,7.	a01		±0.25pF	GRM1882C1H8R4CA01#	
	100X	CO		±0.5pF	GRM1882C1H8R4DA01#	
	.100	J.CC	8.5pF	±0.05pF	GRM1882C1H8R5WA01#	
	N.100	-7 (		±0.1pF	GRM1882C1H8R5BA01#	
	-110	DX.		±0.25pF	GRM1882C1H8R5CA01#	
	111	MY.		±0.5pF	GRM1882C1H8R5DA01#	
	$MM^{-1}$	00	8.6pF	±0.05pF	GRM1882C1H8R6WA01#	
	-TVV	700.		±0.1pF	GRM1882C1H8R6BA01#	
		100		±0.25pF	GRM1882C1H8R6CA01#	
	WWW	1.2		±0.5pF	GRM1882C1H8R6DA01#	
	TAN	4.77	8.7pF	±0.05pF	GRM1882C1H8R7WA01#	
	M.	TXXI 1	0	±0.05pr	GRM1882C1H8R7BA01#	
	WV	144.		±0.1pF ±0.25pF	GRM1882C1H8R7CA01#	
	-11	WW			-30	
	NA.		0.0= [	±0.5pF	GRM1882C1H8R7DA01#	
	1	1111	8.8pF	±0.05pF	GRM1882C1H8R8WA01#	
		WW		±0.1pF	GRM1882C1H8R8BA01#	
		-214		±0.25pF	GRM1882C1H8R8CA01#	
		W	- TAN -	±0.5pF	GRM1882C1H8R8DA01#	
		V	8.9pF	±0.05pF	GRM1882C1H8R9WA01#	
	αXÍ			±0.1pF	GRM1882C1H8R9BA01#	
	1			±0.25pF	GRM1882C1H8R9CA01#	
	W		MAN	±0.5pF	GRM1882C1H8R9DA01#	
	TW		9.0pF	±0.05pF	GRM1882C1H9R0WA01#	
				±0.1pF	GRM1882C1H9R0BA01#	
	LTW			±0.25pF	GRM1882C1H9R0CA01#	
	TV	Į.		±0.5pF	GRM1882C1H9R0DA01#	
		(N)	9.1pF	±0.05pF	GRM1882C1H9R1WA01#	
		11	•	±0.1pF	GRM1882C1H9R1BA01#	<b>%</b> I
		LM		±0.25pF	GRM1882C1H9R1CA01#	
	Olar.	TW		±0.5pF	GRM1882C1H9R1DA01#	W
	COM		9.2pF	±0.05pF	GRM1882C1H9R2WA01#	
	-01	$\Lambda$ .T	,	±0.1pF	GRM1882C1H9R2BA01#	7.1
	Y.Co.	717		±0.25pF		(1
	V.CC	)IAT.		±0.25pf	GRM1882C1H9R2DA01#	* T
	U P.	OM	9.3pF		- X X V - C O	Μ.
	001.		э.эрг	±0.05pF	A	M
	. You	$Co_n$		±0.1pF	GRM1882C1H9R3BA01#	J.
	Ing	CO		±0.25pF		101
	1700)		<del>M</del>	±0.5pF	GRM1882C1H9R3DA01#	cc
	100	Y.C	9.4pF	±0.05pF	GRM1882C1H9R4WA01#	
	M. ra	N.C		±0.1pF	GRM1882C1H9R4BA01#	I.C
	W.10	U z.		±0.25pF	GRM1882C1H9R4CA01#	-71
	1 × 1	001		±0.5pF	GRM1882C1H9R4DA01#	27.
	M.	100	9.5pF	±0.05pF	GRM1882C1H9R5WA01#	107
	WW	Tag		±0.1pF	GRM1882C1H9R5BA01#	0 ~
	W 1	V.10		±0.25pF	GRM1882C1H9R5CA01#	
	MM,	314		±0.5pF	GRM1882C1H9R5DA01#	
	WIN	11.7	9.6pF	±0.05pF	GRM1882C1H9R6WA01#	
	1,1	WW.	100, 1.	±0.1pF	GRM1882C1H9R6BA01#	
	W	14 .		±0.25pF	GRM1882C1H9R6CA01#	
				±0.5pF	GRM1882C1H9R6DA01#	
			9.7pF	±0.05pF	GRM1882C1H9R7WA01#	
			p.	±0.1pF	GRM1882C1H9R7BA01#	
					GINN 1002C ITSR/DAUI#	

GJM Series

GMA Series

**GMD** Series GQM Series

**GRJ** Series

GR3 Series KRM Series

KR3 Series **LLA Series** 

## **GRM Series Temperature Compensating Type** Part Number List

T max.	Rated Voltage	TC Code	Сар.	Tol.	Part Number
.9mm	50Vdc	СН	9.7pF	±0.25pF	GRM1882C1H9R7CA01#
			T	±0.5pF	GRM1882C1H9R7DA01#
	CAN		9.8pF	±0.05pF	GRM1882C1H9R8WA01#
	TV		WV	±0.1pF	GRM1882C1H9R8BA01#
			- 1	±0.25pF	GRM1882C1H9R8CA01#
	TIM			±0.5pF	GRM1882C1H9R8DA01#
	TI	N	9.9pF	±0.05pF	GRM1882C1H9R9WA01#
	Mr.	W	-	±0.1pF	GRM1882C1H9R9BA01#
	$O_{M'}$			±0.25pF	GRM1882C1H9R9CA01#
	LOW.	In		±0.5pF	GRM1882C1H9R9DA01#
	Con	W	10pF	±5%	GRM1882C1H100JA01#
	$CO_N$		12pF	±5%	GRM1882C1H120JA01#
	- c0	$M_{IJ}$	15pF	±5%	GRM1882C1H150JA01#
	1	M	18pF	±5%	GRM1882C1H180JA01#
	V.C.	) Y	22pF	±5%	GRM1882C1H220JA01#
	av C	$O_{\tilde{N}_{I}}$	27pF	±5%	GRM1882C1H270JA01#
	00 7.	COI	33pF	±5%	GRM1882C1H330JA01#
	100%		39pF	±5%	GRM1882C1H390JA01#
	100	I.CL	47pF	±5%	GRM1882C1H470JA01#
	1.700	√ C	56pF	±5%	GRM1882C1H560JA01#
	W.101	) 7.	68pF	±5%	GRM1882C1H680JA01#
	-11	01.	82pF	±5%	GRM1882C1H820JA01#
	MM.	OON	100pF	±5%	GRM1882C1H101JA01#
	WW.	100	120pF	±5%	GRM1882C1H121JA01#
		100	150pF	±5%	GRM1882C1H151JA01#
	M. A.	-110	180pF	±5%	GRM1882C1H181JA01#
	WW	N. 2	220pF	±5%	GRM1882C1H221JA01#
	-737	W.)	270pF	±5%	GRM1882C1H271JA01#
	111.	TXN	330pF	±5%	GRM1882C1H331JA01#
	W		390pF	±5%	GRM1882C1H391JA01#
	17		470pF	±5%	GRM1882C1H471JA01#
		-131	N. JU	- 00	1 10
			560pF	±5%	GRM1882C1H561JA01# GRM1882C1H681JA01#
		W	680pF	±5%	TW W
		- XX	820pF	±5%	GRM1882C1H821JA01#
			1000pF	±5%	GRM1882C1H102JA01#
			1200pF	±5%	GRM1882C1H122JA01#
			1500pF	±5%	GRM1882C1H152JA01#
			1800pF	±5%	GRM1882C1H182JA01#
			2200pF	±5%	GRM1882C1H222JA01#
			2700pF	±5%	GRM1882C1H272JA01#
			3300pF	±5%	GRM1882C1H332JA01#
			3900pF	±5%	GRM1882C1H392JA01#
			4700pF	±5%	GRM1882C1H472JA01#
			5600pF	±5%	GRM1882C1H562JA01#
			6800pF	±5%	GRM1882C1H682JA01#
			8200pF	±5%	GRM1882C1H822JA01#
			10000pF	±5%	GRM1882C1H103JA01#
		SL	1200pF	±5%	GRM1881X1H122JA01#
			1500pF	±5%	GRM1881X1H152JA01#
			1800pF	±5%	GRM1881X1H182JA01#
			2200pF	±5%	GRM1881X1H222JA01#
			2700pF	±5%	GRM1881X1H272JA01#
			3300pF	±5%	GRM1881X1H332JA01#
			3900pF	±5%	GRM1881X1H392JA01#

0.9mm 50Vdc SL 4700pF ±5% GRM1881X1H472JA( 5600pF ±5% GRM1881X1H562JA( 6800pF ±5% GRM1881X1H682JA( 8200pF ±5% GRM1881X1H822JA( 10000pF ±5% GRM1881X1H103JA( 1200pF ±5% GRM1887U1H122JA( 1500pF ±5% GRM1887U1H152JA( 2200pF ±5% GRM1887U1H182JA( 2700pF ±5% GRM1887U1H222JA( 3300pF ±5% GRM1887U1H272JA( 3300pF ±5% GRM1887U1H2332JA( 3900pF ±5% GRM1887U1H392JA( 3900pF ±5% GR	
6800pF ±5% GRM1881X1H682JA0 8200pF ±5% GRM1881X1H822JA0 10000pF ±5% GRM1881X1H103JA0 1200pF ±5% GRM1887U1H122JA0 1500pF ±5% GRM1887U1H182JA0 1800pF ±5% GRM1887U1H182JA0 2200pF ±5% GRM1887U1H222JA0 2700pF ±5% GRM1887U1H272JA0 3300pF ±5% GRM1887U1H332JA0	01#
8200pF ±5% GRM1881X1H822JA0 10000pF ±5% GRM1881X1H103JA0 U2J 1200pF ±5% GRM1887U1H122JA0 1500pF ±5% GRM1887U1H152JA0 1800pF ±5% GRM1887U1H182JA0 2200pF ±5% GRM1887U1H222JA0 2700pF ±5% GRM1887U1H272JA0 3300pF ±5% GRM1887U1H332JA0	01#
10000pF ±5% GRM1881X1H103JA0 U2J 1200pF ±5% GRM1887U1H122JA0 1500pF ±5% GRM1887U1H152JA0 1800pF ±5% GRM1887U1H182JA0 2200pF ±5% GRM1887U1H222JA0 2700pF ±5% GRM1887U1H272JA0 3300pF ±5% GRM1887U1H332JA0	01#
U2J 1200pF ±5% GRM1887U1H122JA 1500pF ±5% GRM1887U1H152JA 1800pF ±5% GRM1887U1H182JA 2200pF ±5% GRM1887U1H222JA 2700pF ±5% GRM1887U1H272JA 3300pF ±5% GRM1887U1H332JA	01#
1500pF ±5% GRM1887U1H152JA 1800pF ±5% GRM1887U1H182JA 2200pF ±5% GRM1887U1H222JA 2700pF ±5% GRM1887U1H272JA 3300pF ±5% GRM1887U1H332JA	01#
1800pF ±5% GRM1887U1H182JA 2200pF ±5% GRM1887U1H222JA 2700pF ±5% GRM1887U1H272JA 3300pF ±5% GRM1887U1H332JA	01#
2200pF ±5% GRM1887U1H222JA 2700pF ±5% GRM1887U1H272JA 3300pF ±5% GRM1887U1H332JA	01#
2700pF ±5% <b>GRM1887U1H272JA</b> 0 3300pF ±5% <b>GRM1887U1H332JA</b> 0	01#
3300pF ±5% <b>GRM1887U1H332JA</b>	01#
	01#
3900pF ±5% <b>GRM1887U1H392JA</b>	01#
	01#
4700pF ±5% <b>GRM1887U1H472JA</b>	01#
5600pF ±5% <b>GRM1887U1H562JA</b>	01#
6800pF ±5% <b>GRM1887U1H682JA</b>	01#
8200pF ±5% <b>GRM1887U1H822JA</b>	01#
10000pF ±5% <b>GRM1887U1H103JA</b>	01#
UJ 1000pF ±5% <b>GRM1883U1H102JA</b>	01#
1200pF ±5% <b>GRM1883U1H122JA</b>	01#
1500pF ±5% <b>GRM1883U1H152JA</b>	01#
1800pF ±5% <b>GRM1883U1H182JA</b>	01#
2200pF ±5% <b>GRM1883U1H222JA</b>	01#
2700pF ±5% <b>GRM1883U1H272JA</b>	01#
3300pF ±5% <b>GRM1883U1H332JA</b>	01#
3900pF ±5% <b>GRM1883U1H392JA</b>	01#
4700pF ±5% <b>GRM1883U1H472JA</b>	01#
5600pF ±5% <b>GRM1883U1H562JA</b>	01#
6800pF ±5% <b>GRM1883U1H682JA</b>	01#
8200pF ±5% <b>GRM1883U1H822JA</b>	01#
10000pF ±5% <b>GRM1883U1H103JA</b>	01#
10Vdc SL 12000pF ±5% <b>GRM1881X1A123JA</b>	01#
15000pF ±5% <b>GRM1881X1A153JA</b>	01#
18000pF ±5% <b>GRM1881X1A183JA</b>	01#
22000pF ±5% <b>GRM1881X1A223JA</b>	01#
U2J 12000pF ±5% <b>GRM1887U1A123JA</b>	01#
15000pF ±5% <b>GRM1887U1A153JA</b>	01#
18000pF ±5% <b>GRM1887U1A183JA</b>	01#
22000pF ±5% <b>GRM1887U1A223JA</b>	01#
UJ 12000pF ±5% <b>GRM1883U1A123JA</b>	01#
15000pF ±5% <b>GRM1883U1A153JA</b>	01#
18000pF ±5% <b>GRM1883U1A183JA</b>	01#
22000pF ±5% <b>GRM1883U1A223JA</b>	01#

## ■ 2.0×1.25mm

T max.	Rated Voltage	TC Code	Cap.	Tol.	Part Number
0.7mm	100Vdc	COG	100pF	±5%	GRM2165C2A101JA01#
	WW	11.7	120pF	±5%	GRM2165C2A121JA01#
		WW.	150pF	±5%	GRM2165C2A151JA01#
	111		180pF	±5%	GRM2165C2A181JA01#
N			220pF	±5%	GRM2165C2A221JA01#
			270pF	±5%	GRM2165C2A271JA01#
			330pF	±5%	GRM2165C2A331JA01#

# Caution/

# **GRM Series Temperature Compensating Type Part Number List**

(→ **■** 2.0×1.25mm)

Part Number	CO	Tol.	Сар.	TC Code	Voltage	ax.
65C2A391JA01#	GRN	±5%	390pF	C0G	100Vdc	nm
65C2A471JA01#	GRN	±5%	470pF			
65C2A561JA01#	GRN	±5%	560pF		W	1
65C2A681JA01#	GRN	±5%	680pF			17.
65C2A821JA01#	GRN	±5%	820pF		1	M
65C2A102JA01#	GRN	±5%	1000pF		LTW	
65C2A122JA01#	GRN	±5%	1200pF	V	T	,O4
65C2A152JA01#	GRN	±5%	1500pF	XX	Mr	$\mathbb{C}^{\mathbb{Q}}$
65C2A182JA01#	GRN	±5%	1800pF	-1	$M_{i,j}$	
65C2A222JA01#	GRN	±5%	2200pF	LM		
65C2A272JA01#	GRN	±5%	2700pF	TV		V.
65C2A332JA01#	Z KI W	±5%	3300pF	1.1	CON	
62C2A101JA01#		±5%	100pF	СН	-01	0.3
62C2A121JA01#		±5%	120pF	31.7	Y.Co	00
62C2A151JA01#	400	±5%	150pF	) Nr.	V.C	
62C2A151JA01#	-	±5%	180pF	OM	27 (	70
62C2A181JA01#	- 44	±5%	220pF		001.	11
400			- 117	CO	MOY!	1 • 1
62C2A271JA01# 62C2A331JA01#	_	±5%	270pF 330pF	$_{1}$ CQ	In	N
	+	±5%		. (1	1.100	
62C2A391JA01#	_	±5%	390pF	N.V	100	
62C2A471JA01#	_	±5%	470pF	N.	W	W
62C2A561JA01#	+	±5%	560pF	yu -	M.1	
62C2A681JA01#		±5%	680pF	00,	_TXN.1	1
62C2A821JA01#	GRN	±5%	820pF	100	Mar.	V
62C2A102JA01#	GRN	±5%	1000pF	.10	JWW	4
62C2A122JA01#	GRN	±5%	1200pF	N.10		
62C2A152JA01#	GRN	±5%	1500pF	× 1	MAL	
62C2A182JA01#	GRN	±5%	1800pF	111.	WW	
62C2A222JA01#	GRN	±5%	2200pF	NW		
62C2A272JA01#	GRN	±5%	2700pF	- x T V	11	
62C2A332JA01#	GRN	±5%	3300pF			
65C1H122JA01#	GRN	±5%	1200pF	COG	50Vdc	
65C1H152JA01#	GRN	±5%	1500pF			
65C1H182JA01#	GRN	±5%	1800pF	M.		
65C1H222JA01#	GRN	±5%	2200pF	W		
65C1H272JA01#	GRN	±5%	2700pF			
65C1H332JA01#	GRN	±5%	3300pF			
65C1H392JA01#	GRN	±5%	3900pF			
65C1H472JA01#	GRN	±5%	4700pF			
62C1H122JA01#	<i>J</i> -	±5%	1200pF	СН		
62C1H152JA01#		±5%	1500pF			
62C1H182JA01#	100	±5%	1800pF			
62C1H222JA01#		±5%	2200pF			
62C1H272JA01#	1 0 7 7	±5%	2700pF			
62C1H332JA01#	-314	±5%	3300pF			
$m_{\lambda}$	_		-			
62C1H392JA01#	9 2	±5%	3900pF			
62C1H472JA01#	- 31N	±5%	4700pF	<u> </u>		
61X1H123JA01#	1	±5%	12000pF	SL		
61X1H153JA01#	444	±5%	15000pF			
61X1H183JA01#	OVIN	±5%	18000pF			
67U1H123JA01#		±5%	12000pF	U2J		
67U1H153JA01#	GRN	±5%	15000pF			
67U1H183JA01#	GRN	±5%	18000pF			

T max.	Rated Voltage	TC Code	Сар.	Tol.	Part Number
0.7mm	50Vdc	UJ	12000pF	±5%	GRM2163U1H123JA01#
	JU = -7 (	ON	15000pF	±5%	GRM2163U1H153JA01#
	00%		18000pF	±5%	GRM2163U1H183JA01#
0.95mm	50Vdc	COG	5600pF	±5%	GRM2195C1H562JA01#
	.10-	J.C	6800pF	±5%	GRM2195C1H682JA01#
	N.100		8200pF	±5%	GRM2195C1H822JA01#
	- 1 10	01.	10000pF	±5%	GRM2195C1H103JA01#
	111	MY.	12000pF	±5%	GRM2195C1H123JA01#
	$NN^{-1}$	~	15000pF	±5%	GRM2195C1H153JA01#
	TIN	СН	5600pF	±5%	GRM2192C1H562JA01#
		100	6800pF	±5%	GRM2192C1H682JA01#
	NWW	10.2	8200pF	±5%	GRM2192C1H822JA01#
		N.77	10000pF	±5%	GRM2192C1H103JA01#
	111	- XXI 1	12000pF	±5%	GRM2192C1H123JA01#
	W	11.	15000pF	±5%	GRM2192C1H153JA01#
	- 16.1	SL		CU	GRM2192C1H193JA01#
	111	SL	22000pF	±5%	1
		1101	27000pF	±5%	GRM2191X1H273JA01#
		U2J	22000pF	±5%	GRM2197U1H223JA01#
		70	27000pF	±5%	GRM2197U1H273JA01#
		UJ	22000pF	±5%	GRM2193U1H223JA01#
		1	27000pF	±5%	GRM2193U1H273JA01#
	10Vdc	SL	56000pF	±5%	GRM2191X1A563JA01#
		U2J	56000pF	±5%	GRM2197U1A563JA01#
-17		UJ	56000pF	±5%	GRM2193U1A563JA01#
1.0mm	250Vdc	COG	10pF	±5%	GRM21A5C2E100JW01#
	, J. \		12pF	±5%	GRM21A5C2E120JW01#
	LIN		15pF	±5%	GRM21A5C2E150JW01#
	TT	V	18pF	±5%	GRM21A5C2E180JW01#
	Mr.	(N)	22pF	±5%	GRM21A5C2E220JW01#
	$M_{IJ}$		27pF	±5%	GRM21A5C2E270JW01#
			33pF	±5%	GRM21A5C2E330JW01#
	One	TV	39pF	±5%	GRM21A5C2E390JW01#
	CON		47pF	±5%	GRM21A5C2E470JW01#
		LT	56pF	±5%	GRM21A5C2E560JW01#
	Y.CO	117	68pF	±5%	GRM21A5C2E680JW01#
	V.CC	) jyr.		±5%	GRM21A5C2E820JW01#
	0 7.	OM	82pF		
	00 X.C		100pF	±5%	GRM21A5C2E101JW01#
	. NO.	$C_{\mathbf{O}_{T}}$	120pF	±5%	GRM21A5C2E121JW01#
	Ino	CO	150pF	±5%	GRM21A5C2E151JW01#
	1,100		180pF	±5%	GRM21A5C2E181JW01#
	100	Y.C	220pF	±5%	GRM21A5C2E221JW01#
	11.70	W.	270pF	±5%	GRM21A5C2E271JW01#
	JW.10	0 7.	330pF	±5%	GRM21A5C2E331JW01#
	N 1	U2J	100pF	±5%	GRM21A7U2E101JW31#
	M.W.	100	120pF	±5%	GRM21A7U2E121JW31#
	TWW.	700	150pF	±5%	GRM21A7U2E151JW31#
	1	V.10	180pF	±5%	GRM21A7U2E181JW31#
	WW.	- 4	220pF	±5%	GRM21A7U2E221JW31#
	WIN	11.7	270pF	±5%	GRM21A7U2E271JW31#
	A.	ATV.	330pF	±5%	GRM21A7U2E331JW31#
	W	13.	390pF	±5%	GRM21A7U2E391JW31#
			470pF	±5%	GRM21A7U2E471JW31#
			560pF	±5%	GRM21A7U2E561JW31#
			680pF	±5%	GRM21A7U2E681JW31#

GJM Series

GMA Series ∬ (

GQM Series GMD Series

GR3 Series | GRJ Series

KRM Series

# **GRM Series Temperature Compensating Type** Part Number List

## (→ **■** 2.0×1.25mm)

T max.	Rated Voltage	TC Code	Сар.	Tol.	Part Number	1
I.0mm	250Vdc	U2J	820pF	±5%	GRM21A7U2E821JW31#	
			1000pF	±5%	GRM21A7U2E102JW31#	
	W		1200pF	±5%	GRM21A7U2E122JW31#	
	- XV		1500pF	±5%	GRM21A7U2E152JW31#	
			1800pF	±5%	GRM21A7U2E182JW31#	
	TIN		2200pF	±5%	GRM21A7U2E222JW31#	
	200Vdc	COG	10pF	±5%	GRM21A5C2D100JW01#	
	$0_{M^{1}}$	cXI	12pF	±5%	GRM21A5C2D120JW01#	
	$OM_{IJ}$	N'	15pF	±5%	GRM21A5C2D150JW01#	<b>1</b>
		IM	18pF	±5%	GRM21A5C2D180JW01#	10
	$CO_{M_{\pi}}$	TV	22pF	±5%	GRM21A5C2D220JW01#	
	CON	J. 1.	27pF	±5%	GRM21A5C2D270JW01#	
		V.T	33pF	±5%	GRM21A5C2D330JW01#	-
	Y.CO		- N	±5%	GRM21A5C2D390JW01#	k
	N C	Dir.	39pF		TO THE CO.	
	0 1.	MO	47pF	±5%	GRM21A5C2D470JW01#	N
	001.		56pF	±5%	GRM21A5C2D560JW01#	-
	. Voo.	$C_{O_I}$	68pF	±5%	GRM21A5C2D680JW01#	1
	700	CC	82pF	±5%	GRM21A5C2D820JW01#	0
	J 100		100pF	±5%	GRM21A5C2D101JW01#	L
	100	Y.C	120pF	±5%	GRM21A5C2D121JW01#	
	M.To.	V (	150pF	±5%	GRM21A5C2D151JW01#	J
	W.10	M r.	180pF	±5%	GRM21A5C2D181JW01#	
	- 1	1007	220pF	±5%	GRM21A5C2D221JW01#	0
MMM	MM.	. 00	270pF	±5%	GRM21A5C2D271JW01#	0
	TININ	Too	330pF	±5%	GRM21A5C2D331JW01#	
		U2J	100pF	±5%	GRM21A7U2D101JW31#	17
	MM.	-11	120pF	±5%	GRM21A7U2D121JW31#	1
	WIX	$M_{ij}$	150pF	±5%	GRM21A7U2D151JW31#	4-
		WIN	180pF	±5%	GRM21A7U2D181JW31#	V
	W.	N 1	220pF	±5%	GRM21A7U2D221JW31#	
	17		270pF	±5%	GRM21A7U2D271JW31#	1
		TVV	330pF	±5%	GRM21A7U2D331JW31#	V
		M.	390pF	±5%	GRM21A7U2D391JW31#	
		W	470pF	±5%	GRM21A7U2D471JW31#	1
		<b>* * * * *</b>	560pF	±5%	GRM21A7U2D561JW31#	V
			-3111	), n	CONT	
			680pF	±5%	GRM21A7U2D681JW31#	
			820pF	±5%	GRM21A7U2D821JW31#	
			1000pF	±5%	GRM21A7U2D102JW31#	
			1200pF	±5%	GRM21A7U2D122JW31#	
			1500pF	±5%	GRM21A7U2D152JW31#	
			1800pF	±5%	GRM21A7U2D182JW31#	
			2200pF	±5%	GRM21A7U2D222JW31#	
	50Vdc	SL	33000pF	±5%	GRM21A1X1H333JA39#	
		U2J	33000pF	±5%	GRM21A7U1H333JA39#	N
		UJ	33000pF	±5%	GRM21A3U1H333JA39#	K
35mm	50Vdc	COG	18000pF	±5%	GRM21B5C1H183JA01#	Г
			22000pF	±5%	GRM21B5C1H223JA01#	L
		СН	18000pF	±5%	GRM21B2C1H183JA01#	П
			22000pF	±5%	GRM21B2C1H223JA01#	-
		SL	39000pF	±5%	GRM21B1X1H393JA01#	M
		-	47000pF	±5%	GRM21B1X1H473JA01#	-
		U2J	39000pF	±5%	GRM21B7U1H393JA01#	
		020	47000pF		GRM21B7U1H473JA01#	0
			39000pF	±5%	GRIVIZ I D / U I R4/3JAU I#	$\Gamma$

T max.	Rated Voltage	TC Code	Сар.	Tol.	Part Number
1.35mm	50Vdc	UJ	47000pF	±5%	GRM21B3U1H473JA01#
	10Vdc	SL	68000pF	±5%	GRM21B1X1A683JA01#
	00%		82000pF	±5%	GRM21B1X1A823JA01#
	1007	Co	0.10µF	±5%	GRM21B1X1A104JA01#
	1.100	U2J	68000pF	±5%	GRM21B7U1A683JA01#
	N.100	-7 (	82000pF	±5%	GRM21B7U1A823JA01#
	MM M:100	01.	0.10µF	±5%	GRM21B7U1A104JA01#
		UJ	68000pF	±5%	GRM21B3U1A683JA01#
WW.	$M_{M^{*}}$		82000pF	±5%	GRM21B3U1A823JA01#
	WW.		0.10µF	±5%	GRM21B3U1A104JA01#
1.45mm	250Vdc	U2J	2700pF	±5%	GRM21B7U2E272JW32#
	MM.	-110	3300pF	±5%	GRM21B7U2E332JW32#
	WW	W.r.	3900pF	±5%	GRM21B7U2E392JW32#
		W.	4700pF	±5%	GRM21B7U2E472JW32#
			5600pF	±5%	GRM21B7U2E562JW32#
	200Vdc	U2J	2700pF	±5%	GRM21B7U2D272JW32#
	<	VVV	3300pF	±5%	GRM21B7U2D332JW32#
		-111	3900pF	±5%	GRM21B7U2D392JW32#
		M.	4700pF	±5%	GRM21B7U2D472JW32#
		W	5600pF	±5%	GRM21B7U2D562JW32#

## ■ 3.2×1.6mm

max.	Voltage	Code	Cap.	Tol.	Part Number	
).95mm	100Vdc	COG	1800pF	±5%	GRM3195C2A182JA01#	
	LTW		2200pF	±5%	GRM3195C2A222JA01#	
	TT	N.	2700pF	±5%	GRM3195C2A272JA01#	
	Mr		3300pF	±5%	GRM3195C2A332JA01#	
	$0 M_{1,T}$		3900pF	±5%	GRM3195C2A392JA01#	N.I
	·M.	L.M.	4700pF	±5%	GRM3195C2A472JA01#	
		W	5600pF	±5%	GRM3195C2A562JA01#	
	$CO_{M}$		6800pF	±5%	GRM3195C2A682JA01#	T
	1 CO	17.7	8200pF	±5%	GRM3195C2A822JA01#	
	Y. 0	M.T	10000pF	±5%	GRM3195C2A103JA01#	1.
	M.C.	- N	12000pF	±5%	GRM3195C2A123JA01#	
	NV.C	$O_{N_I}$	15000pF	±5%	GRM3195C2A153JA01#	7.
	N 100X:	~O?	18000pF	±5%	GRM3195C2A183JA01#	0
		40	22000pF	±5%	GRM3195C2A223JA01#	4(
		CH	1800pF	±5%	GRM3192C2A182JA01#	
	1.70		2200pF	±5%	GRM3192C2A222JA01#	,(
	$N.10^{\circ}$	-7 (	2700pF	±5%	GRM3192C2A272JA01#	J
	xx1 10	0.7.	3300pF	±5%	GRM3192C2A332JA01#	-
	1	001	3900pF	±5%	GRM3192C2A392JA01#	0
	MW.		4700pF	±5%	GRM3192C2A472JA01#	00
	WW	700	5600pF	±5%	GRM3192C2A562JA01#	U
	1	V.10	6800pF	±5%	GRM3192C2A682JA01#	
	MM	-11	8200pF	±5%	GRM3192C2A822JA01#	
	WW	111.7	10000pF	±5%	GRM3192C2A103JA01#	
	W	MMM.	12000pF	±5%	GRM3192C2A123JA01#	
			15000pF	±5%	GRM3192C2A153JA01#	
			18000pF	±5%	GRM3192C2A183JA01#	
			22000pF	±5%	GRM3192C2A223JA01#	
	50Vdc	COG	12000pF	±5%	GRM3195C1H123JA01#	

T max.	Rated Voltage	TC Code	Сар.	Tol.	Part Number
95mm	50Vdc	COG	15000pF	±5%	GRM3195C1H153JA01#
			18000pF	±5%	GRM3195C1H183JA01#
	IN		22000pF	±5%	GRM3195C1H223JA01#
	TIN		27000pF	±5%	GRM3195C1H273JA01#
	. 1		33000pF	±5%	GRM3195C1H333JA01#
	LIN		39000pF	±5%	GRM3195C1H393JA01#
	TIV	СН	12000pF	±5%	GRM3192C1H123JA01#
	INT.	W	15000pF	±5%	GRM3192C1H153JA01#
	$O_{M^{*}}$	-31	18000pF	±5%	GRM3192C1H183JA01#
	Mo	LAN	22000pF	±5%	GRM3192C1H223JA01#
		TV	27000pF	±5%	GRM3192C1H273JA01#
	$CO_{D}$		33000pF	±5%	GRM3192C1H333JA01#
	- cO	$M^{*}_{I}$	39000pF	±5%	GRM3192C1H393JA01#
	1.0	SL	56000pF	±5%	GRM3191X1H563JA01#
	OY.C	U2J	56000pF	±5%	GRM3197U1H563JA01#
	ov.C	UJ	56000pF	±5%	GRM3193U1H563JA01#
.0mm	2000Vdc	U2J	10pF	±5%	GRM31A7U3D100JW31#
	100%		12pF	±5%	GRM31A7U3D120JW31#
	100	I.C.	15pF	±5%	GRM31A7U3D150JW31#
	1.700	V.C	18pF	±5%	GRM31A7U3D180JW31#
	N.100	) 3-	22pF	±5%	GRM31A7U3D220JW31#
	-37 10	0.1.	27pF	±5%	GRM31A7U3D270JW31#
	1111	007	33pF	±5%	GRM31A7U3D330JW31#
	WW.	In.	39pF	±5%	GRM31A7U3D390JW31#
	- 111	.10u	47pF	±5%	GRM31A7U3D470JW31#
	MM.	x1 10	56pF	±5%	GRM31A7U3D560JW31#
	WW	N	68pF	±5%	GRM31A7U3D680JW31#
	1000Vdc	COG	10pF	±5%	GRM31A5C3A100JW01#
		TVN	12pF	±5%	GRM31A5C3A120JW01#
		M.	15pF	±5%	GRM31A5C3A150JW01#
	17		18pF	±5%	GRM31A5C3A180JW01#
		TV.	22pF	±5%	GRM31A5C3A220JW01#
		NN 1	27pF	±5%	GRM31A5C3A270JW01#
		11/1	33pF	±5%	GRM31A5C3A330JW01#
		11	39pF	±5%	GRM31A5C3A390JW01#
			47pF	±5%	GRM31A5C3A470JW01#
			56pF	±5%	GRM31A5C3A560JW01#
			68pF	±5%	GRM31A5C3A680JW01#
			82pF	±5%	GRM31A5C3A820JW01#
			100pF	±5%	GRM31A5C3A101JW01#
			120pF	±5%	GRM31A5C3A121JW01#
			150pF	±5%	GRM31A5C3A151JW01#
			180pF	±5%	GRM31A5C3A181JW01#
			220pF	±5%	GRM31A5C3A221JW01#
		U2J	10pF	±5%	GRM31A7U3A100JW31#
		020	12pF	±5%	GRM31A7U3A120JW31#
			15pF	±5%	GRM31A7U3A150JW31#
			18pF	±5%	GRM31A7U3A180JW31#
					31 100
			22pF	±5%	GRM31A7U3A220JW31#
			27pF	±5%	GRM31A7U3A270JW31#
			33pF	±5%	GRM31A7U3A330JW31#
			39pF	±5%	GRM31A7U3A390JW31#
			47pF	±5%	GRM31A7U3A470JW31#
			56pF	±5%	GRM31A7U3A560JW31#

T max.	Rated Voltage	TC Code	Cap.	Tol.	Part Number
1.0mm	1000Vdc	U2J	68pF	±5%	GRM31A7U3A680JW31#
	-7 (	ON	82pF	±5%	GRM31A7U3A820JW31#
	100 1.	a01	100pF	±5%	GRM31A7U3A101JW31#
	1001		120pF	±5%	GRM31A7U3A121JW31#
		V.C	150pF	±5%	GRM31A7U3A151JW31#
	N.100	- - (	180pF	±5%	GRM31A7U3A181JW31#
	W.10	01.	220pF	±5%	GRM31A7U3A221JW31#
	1	001.	270pF	±5%	GRM31A7U3A271JW31#
	MM.,		330pF	±5%	GRM31A7U3A331JW31#
	630Vdc	COG	10pF	±5%	GRM31A5C2J100JW01#
	1	1.100	12pF	±5%	GRM31A5C2J120JW01#
	MM	- - 10	15pF	±5%	GRM31A5C2J150JW01#
	WW	M.r.	18pF	±5%	GRM31A5C2J180JW01#
	-11	M.	22pF	±5%	GRM31A5C2J220JW01#
	111		27pF	±5%	GRM31A5C2J270JW01#
	W	(1)	33pF	±5%	GRM31A5C2J330JW01#
			39pF	±5%	GRM31A5C2J390JW01#
			47pF	±5%	GRM31A5C2J470JW01#
		M.	56pF	±5%	GRM31A5C2J560JW01#
		W	68pF	±5%	GRM31A5C2J680JW01#
	}	<b>41</b>	82pF	±5%	GRM31A5C2J820JW01#
			100pF	±5%	GRM31A5C2J101JW01#
	N		120pF	±5%	GRM31A5C2J121JW01#
	W		150pF	±5%	GRM31A5C2J151JW01#
	-XN		180pF	±5%	GRM31A5C2J181JW01#
	1.1.		220pF	±5%	GRM31A5C2J221JW01#
	TIN		270pF	±5%	GRM31A5C2J271JW01#
	TV	(	330pF	±5%	GRM31A5C2J331JW01#
	Mr.	cX.	390pF	±5%	GRM31A5C2J391JW01#
	DM:		470pF	±5%	GRM31A5C2J471JW01#
			560pF	±5%	GRM31A5C2J561JW01#
	COM	U2J	10pF	±5%	GRM31A7U2J100JW31#
	CON		12pF	±5%	GRM31A7U2J120JW31#
	001	T.J.	15pF	±5%	GRM31A7U2J150JW31#
	Y.Co	117	18pF	±5%	GRM31A7U2J180JW31#
	V.C	) N. P.	22pF	±5%	GRM31A7U2J220JW31#
	- <b>₹</b> 7 C	$O_{M_{I}}$	27pF	±5%	GRM31A7U2J270JW31#
	001.	400	33pF	±5%	GRM31A7U2J330JW31#
	100X		39pF	±5%	GRM31A7U2J390JW31#
	200	$^{\circ}CO$	47pF	±5%	GRM31A7U2J470JW31#
	1.700	47 C	56pF	±5%	GRM31A7U2J560JW31#
	N 100		68pF	±5%	GRM31A7U2J680JW31#
	110	01.4	82pF	±5%	GRM31A7U2J820JW31#
	1111.7		100pF	±5%	GRM31A7U2J101JW31#
	NIW.	00 -	120pF	±5%	GRM31A7U2J121JW31#
		100	150pF	±5%	GRM31A7U2J151JW31#
	MAN	- 10	1	- 1	GRM31A7U2J181JW31#
	WIN	1.70	180pF	±5%	-01
	NA .	W.1	220pF	±5%	GRM31A7U2J221JW31#
	MA		270pF	±5%	GRM31A7U2J271JW31#
	W	N.M.	330pF	±5%	GRM31A7U2J331JW31#
			390pF	±5%	GRM31A7U2J391JW31#
			470pF	±5%	GRM31A7U2J471JW31#
			560pF	±5%	GRM31A7U2J561JW31#
			680pF	±5%	GRM31A7U2J681JW31#

GJM Series

**GMA** Series

**GMD** Series GQM Series

**GRJ** Series GR3 Series

# **GRM Series Temperature Compensating Type** Part Number List

## (→ **■** 3.2×1.6mm)

T nax.	Rated Voltage	TC Code	Cap.	Tol.	Part Number
.0mm	630Vdc	U2J	820pF	±5%	GRM31A7U2J821JW31#
			1000pF	±5%	GRM31A7U2J102JW31#
	W		1200pF	±5%	GRM31A7U2J122JW31#
			1500pF	±5%	GRM31A7U2J152JW31#
			1800pF	±5%	GRM31A7U2J182JW31#
	TIN		2200pF	±5%	GRM31A7U2J222JW31#
	500Vdc	COG	10pF	±5%	GRM31A5C2H100JW01#
	Mr	W	12pF	±5%	GRM31A5C2H120JW01#
	OM.		15pF	±5%	GRM31A5C2H150JW01#
	. M	$L_M$	18pF	±5%	GRM31A5C2H180JW01#
	CON	TV	22pF	±5%	GRM31A5C2H220JW01#
	$CO_{\tilde{D}}$	1.0	27pF	±5%	GRM31A5C2H270JW01#
	- c0	$M_{r,T}$	33pF	±5%	GRM31A5C2H330JW01#
		M	39pF	±5%	GRM31A5C2H390JW01#
	Y.C'	) IV-	47pF	±5%	GRM31A5C2H470JW01#
	~ (	OM	56pF	±5%	GRM31A5C2H560JW01#
	00 r.	COI	68pF	±5%	GRM31A5C2H680JW01#
	100X		82pF	±5%	GRM31A5C2H820JW01#
	400	I.Cu	100pF	±5%	GRM31A5C2H101JW01#
	1.700	√ C	120pF	±5%	GRM31A5C2H121JW01#
	W.101	) 7.	150pF	±5%	GRM31A5C2H151JW01#
	-X1 10	01.	180pF	±5%	GRM31A5C2H181JW01#
	M	NO V	220pF	±5%	GRM31A5C2H221JW01#
	WW.	Ino.	270pF	±5%	GRM31A5C2H271JW01#
		100	330pF	±5%	GRM31A5C2H331JW01#
	MM.	×1 10	390pF	±5%	GRM31A5C2H391JW01#
	WW	W	470pF	±5%	GRM31A5C2H471JW01#
		$M_{\gamma}$	560pF	±5%	GRM31A5C2H561JW01#
	111.	U2J	10pF	±5%	GRM31A7U2H100JW31#
	W	020	12pF	±5%	GRM31A7U2H120JW31#
		M	15pF	±5%	GRM31A7U2H150JW31#
		·	18pF	±5%	GRM31A7U2H180JW31#
		M.	22pF	±5%	GRM31A7U2H220JW31#
		W	27pF	±5%	GRM31A7U2H270JW31#
		11	33pF	±5%	GRM31A7U2H330JW31#
			39pF	±5%	GRM31A7U2H390JW31#
				<del>- 10U-</del>	GRM31A7U2H470JW31#
			47pF 56pF	±5%	GRM31A7U2H470JW31#
			68pF	±5%	GRM31A7U2H680JW31#
			82pF	111-1-	GRM31A7U2H820JW31#
				±5%	GRM31A7U2H101JW31#
			100pF	±5%	
			120pF	±5%	GRM31A7U2H121JW31#
			150pF	±5%	GRM31A7U2H151JW31#
			180pF	±5%	GRM31A7U2H181JW31#
			220pF	±5%	GRM31A7U2H221JW31#
			270pF	±5%	GRM31A7U2H271JW31#
			330pF	±5%	GRM31A7U2H331JW31#
			390pF	±5%	GRM31A7U2H391JW31#
			470pF	±5%	GRM31A7U2H471JW31#
			560pF	±5%	GRM31A7U2H561JW31#
			680pF	±5%	GRM31A7U2H681JW31#
			820pF	±5%	GRM31A7U2H821JW31#
	I		1000pF	±5%	GRM31A7U2H102JW31#

T max.	Rated Voltage	TC Code	Сар.	Tol.	Part Number
1.0mm	500Vdc	U2J	1500pF	±5%	GRM31A7U2H152JW31#
	-7 (	ON	1800pF	±5%	GRM31A7U2H182JW31#
	001.		2200pF	±5%	GRM31A7U2H222JW31#
	250Vdc	U2J	2700pF	±5%	GRM31A7U2E272JW31#
	.10	J.C	3300pF	±5%	GRM31A7U2E332JW31#
	N.100	-7 (	3900pF	±5%	GRM31A7U2E392JW31#
	W.10	01.	4700pF	±5%	GRM31A7U2E472JW31#
	-11	101	5600pF	±5%	GRM31A7U2E562JW31#
	200Vdc	U2J	2700pF	±5%	GRM31A7U2D272JW31#
	WW.	Ino	3300pF	±5%	GRM31A7U2D332JW31#
		1.100	3900pF	±5%	GRM31A7U2D392JW31#
	MM	- 1 1 (	4700pF	±5%	GRM31A7U2D472JW31#
	WW	11.2	5600pF	±5%	GRM31A7U2D562JW31#
1.25mm	1000Vdc	U2J	390pF	±5%	GRM31B7U3A391JW31#
	1/1		470pF	±5%	GRM31B7U3A471JW31#
	W	M.	560pF	±5%	GRM31B7U3A561JW31#
	_		680pF	±5%	GRM31B7U3A681JW31#
	630Vdc	COG	680pF	±5%	GRM31B5C2J681JW01#
		111.	820pF	±5%	GRM31B5C2J821JW01#
			1000pF	±5%	GRM31B5C2J102JW01#
		U2J	2700pF	±5%	GRM31B7U2J272JW31#
	<b>~</b> I		3300pF	±5%	GRM31B7U2J332JW31#
	500Vdc	COG	680pF	±5%	GRM31B5C2H681JW01#
	W		820pF	±5%	GRM31B5C2H821JW01#
	TW		1000pF	±5%	GRM31B5C2H102JW01#
	. 1	U2J	2700pF	±5%	GRM31B7U2H272JW31#
	LTW		3300pF	±5%	GRM31B7U2H332JW31#
	250Vdc	U2J	6800pF	±5%	GRM31B7U2E682JW31#
	Mr.	W	8200pF	±5%	GRM31B7U2E822JW31#
	$O_{M^{**}}$		10000pF	±5%	GRM31B7U2E103JW31#
	Mo		12000pF	±5%	GRM31B7U2E123JW31#
	200Vdc	U2J	6800pF	±5%	GRM31B7U2D682JW31#
	$C_{O_{D_{2}}}$		8200pF	±5%	GRM31B7U2D822JW31#
	1 CO	Vr. r	10000pF	±5%	GRM31B7U2D103JW31#
	50Vdc	COG	47000pF	±5%	GRM31M5C1H473JA01#
	O.Y.C.	_ 1	56000pF	±5%	GRM31M5C1H563JA01#
	MY.C	СН	47000pF	±5%	GRM31M2C1H473JA01#
	<b>3</b> 7	$dO_{J}$	56000pF	±5%	GRM31M2C1H563JA01#
	700 r.	SL	68000pF	±5%	GRM31M1X1H683JA01#
	1005		82000pF	±5%	GRM31M1X1H823JA01#
	1.5	V.C	0.10µF	±5%	GRM31M1X1H104JA01#
	W.In.	U2J	68000pF	±5%	GRM31M7U1H683JA01#
	TW.10	01.	82000pF	±5%	GRM31M7U1H823JA01#
	-x1 1	001	0.10µF	±5%	GRM31M7U1H104JA01#
	MM.	UJ	68000pF	±5%	GRM31M3U1H683JA01#
	WW	Tan	82000pF	±5%	GRM31M3U1H823JA01#
	1	1.10	0.10µF	±5%	GRM31M3U1H104JA01#
1.8mm	1000Vdc	U2J	820pF	±5%	GRM31C7U3A821JW32#
	WW	14.,	1000pF	±5%	GRM31C7U3A102JW32#
	630Vdc	U2J	3900pF	±5%	GRM31C7U2J392JW32#
	M		4700pF	±5%	GRM31C7U2J472JW32#
	500Vdc	U2J	3900pF	±5%	GRM31C7U2H392JW32#
			4700pF	±5%	GRM31C7U2H472JW32#
2	250Vdc	U2J	15000pF	±5%	GRM31C7U2E153JW32#

## (→ **■** 3.2×1.6mm)

T max.	Rated Voltage	TC Code	Сар.	Tol.	Part Number	W
1.8mm	250Vdc	U2J	18000pF	±5%	GRM31C7U2E183JW32#	
			22000pF	±5%	GRM31C7U2E223JW32#	
	50Vdc	COG	68000pF	±5%	GRM31C5C1H683JA01#	
			82000pF	±5%	GRM31C5C1H823JA01#	
	1.1		0.10µF	±5%	GRM31C5C1H104JA01#	
	VIII	СН	68000pF	±5%	GRM31C2C1H683JA01#	
	TI	N	82000pF	±5%	GRM31C2C1H823JA01#	
	Mr.	W	0.10µF	±5%	GRM31C2C1H104JA01#	
	25Vdc	COG	0.12µF	±5%	GRM31C5C1E124JA01#	N
	Low	СН	0.12μF	±5%	GRM31C2C1E124JA01#	-1
	16Vdc	COG	0.12µF	±5%	GRM31C5C1C124JA01#	M
	1.COD	СН	0.12µF	±5%	GRM31C2C1C124JA01#	TV

### ■ 3.2×2.5mm

T max.	Rated Voltage	TC Code	Сар.	Tol.	Part Number		
1.0mm	2000Vdc	2000Vdc	U2J	82pF	±5%	GRM32A7U3D820JW31#	٠ <u>(</u>
	100	1.00	100pF	±5%	GRM32A7U3D101JW31#		
	1.2	V.C	120pF	±5%	GRM32A7U3D121JW31#	,C	
	N.10	- = 7 (	150pF	±5%	GRM32A7U3D151JW31#	J	
	630Vdc	U2J	1200pF	±5%	GRM32A7U2J122JW31#		
	1	007	1500pF	±5%	GRM32A7U2J152JW31#	0	
	MM.	. 00	1800pF	±5%	GRM32A7U2J182JW31#	00	
	TWV.	700	2200pF	±5%	GRM32A7U2J222JW31#		
	500Vdc	U2J	1200pF	±5%	GRM32A7U2H122JW31#	11	
WW	WW	-11	1500pF	±5%	GRM32A7U2H152JW31#	1 1	
	WW	111.	1800pF	±5%	GRM32A7U2H182JW31#	1	
		NW	2200pF	±5%	GRM32A7U2H222JW31#	V	
.25mm 2000Vd	2000Vdc	U2J	180pF	±5%	GRM32B7U3D181JW31#		
	V	1111	220pF	±5%	GRM32B7U3D221JW31#	1	
	1000Vdc	U2J	1200pF	±5%	GRM32B7U3A122JW31#	V	
	630Vdc	U2J	5600pF	±5%	GRM32B7U2J562JW31#		
	500Vdc	U2J	5600pF	±5%	GRM32B7U2H562JW31#	1	
1.5mm	1000Vdc	U2J	1500pF	±5%	GRM32Q7U3A152JW31#	V	
	630Vdc	U2J	6800pF	±5%	GRM32Q7U2J682JW31#	4	
	500Vdc	U2J	6800pF	±5%	GRM32Q7U2H682JW31#		
	250Vdc	U2J	27000pF	±5%	GRM32Q7U2E273JW31#		
2.0mm	1000Vdc	U2J	1800pF	±5%	GRM32D7U3A182JW31#		
			2200pF	±5%	GRM32D7U3A222JW31#		
	630Vdc	U2J	8200pF	±5%	GRM32D7U2J822JW31#		
			10000pF	±5%	GRM32D7U2J103JW31#		
	500Vdc	U2J	8200pF	±5%	GRM32D7U2H822JW31#		
			10000pF	±5%	GRM32D7U2H103JW31#	1	
	250Vdc	U2J	33000pF	±5%	GRM32D7U2E333JW31#	(X	
			39000pF	±5%	GRM32D7U2E393JW31#	7	
			47000pF	±5%	GRM32D7U2E473JW31#	U	

### ■ 4.5×2.0mm

T max.	Rated Voltage		Сар.	Tol.	Part Number	M
1.0mm	3150Vdc	COG	5.0pF	±0.5pF	GRM42A5C3F050DW01#	Ob
			10pF	±5%	GRM42A5C3F100JW01#	

T max.	Rated Voltage	TC Code	Сар.	Tol.	Part Number
1.0mm	3150Vdc	COG	12pF	±5%	GRM42A5C3F120JW01#
	7	ON	15pF	±5%	GRM42A5C3F150JW01#
	00%	a01	18pF	±5%	GRM42A5C3F180JW01#
	1007	Co	22pF	±5%	GRM42A5C3F220JW01#
	.10	V.CC	27pF	±5%	GRM42A5C3F270JW01#
	N.100	-7 C	33pF	±5%	GRM42A5C3F330JW01#
	-xi 10	11.	39pF	±5%	GRM42A5C3F390JW01#
	1	ooy.	47pF	±5%	GRM42A5C3F470JW01#
	MM.	U2J	10pF	±5%	GRM42A7U3F100JW31#
	WIN.	N.10	12pF	±5%	GRM42A7U3F120JW31#
	1		15pF	±5%	GRM42A7U3F150JW31#
	MAN		18pF	±5%	GRM42A7U3F180JW31#
	WW		22pF	±5%	GRM42A7U3F220JW31#
	-737	JW.	27pF	±5%	GRM42A7U3F270JW31#
	11/1		33pF	±5%	GRM42A7U3F330JW31#
	W	William	39pF	±5%	GRM42A7U3F390JW31#
	<	W	47pF	±5%	GRM42A7U3F470JW31#
		TAN	56pF	±5%	GRM42A7U3F560JW31#
		M.	68pF	±5%	GRM42A7U3F680JW31#
		W	82pF	±5%	GRM42A7U3F820JW31#
	-	<1	100pF	±5%	GRM42A7U3F101JW31#

### ■ 4.5×3.2mm

- 1			11.	100	201.7	
T max.	Rated Voltage	TC Code	Cap.	Tol.	Part Number	
1.5mm	1000Vdc	U2J	2700pF	±5%	GRM43Q7U3A272JW31#	
	VTT	V	3300pF	±5%	GRM43Q7U3A332JW31#	
	630Vdc	U2J	12000pF	±5%	GRM43Q7U2J123JW31#	
	500Vdc	U2J	12000pF	±5%	GRM43Q7U2H123JW31#	J
2.0mm	1000Vdc	U2J	3900pF	±5%	GRM43D7U3A392JW31#	
		W	4700pF	±5%	GRM43D7U3A472JW31#	W
	630Vdc	U2J	15000pF	±5%	GRM43D7U2J153JW31#	rV
	- col	1.7	18000pF	±5%	GRM43D7U2J183JW31#	-
	1.0	MI	22000pF	±5%	GRM43D7U2J223JW31#	. 1
	500Vdc	U2J	15000pF	±5%	GRM43D7U2H153JW31#	M.T
	NV.C	$O_{N_I}$	18000pF	±5%	GRM43D7U2H183JW31#	
	00 r.	-01	22000pF	±5%	GRM43D7U2H223JW31#	

## ■ 5.7×5.0mm

T max.	Rated Voltage	TC Code	Сар.	Tol.	Part Number	
1.5mm	1000Vdc	U2J	5600pF	±5%	GRM55Q7U3A562JW31#	X
	M.W.	00	6800pF	±5%	GRM55Q7U3A682JW31#	ก
	630Vdc	U2J	27000pF	±5%	GRM55Q7U2J273JW31#	,
	500Vdc	U2J	27000pF	±5%	GRM55Q7U2H273JW31#	
2.0mm	1000Vdc	U2J	8200pF	±5%	GRM55D7U3A822JW31#	
	WW	111.7	10000pF	±5%	GRM55D7U3A103JW31#	
	630Vdc	U2J	33000pF	±5%	GRM55D7U2J333JW31#	
			39000pF	±5%	GRM55D7U2J393JW31#	
			47000pF	±5%	GRM55D7U2J473JW31#	
	500Vdc	U2J	33000pF	±5%	GRM55D7U2H333JW31#	
			39000pF	±5%	GRM55D7U2H393JW31#	

### (→ **■** 5.7×5.0mm)



			_ <	100		
T max.	Rated Voltage	TC Code	Cap.	Tol.	Part Number	
).22mm	16Vdc	X7R	100pF	±10%	GRM022R71C101KE14#	Derat
			WW	±20%	GRM022R71C101ME14#	Dera
	. 1		150pF	±10%	GRM022R71C151KE14#	Dera
	TIM		111	±20%	GRM022R71C151ME14#	Dera
	TI		220pF	±10%	GRM022R71C221KE14#	Dera
	Mr.	W	-	±20%	GRM022R71C221ME14#	Dera
	$O_{M^*}$	-1	330pF	±10%	GRM022R71C331KE14#	Dera
	Mo	In		±20%	GRM022R71C331ME14#	Dera
		VT	470pF	±10%	GRM022R71C471KE14#	Dera
	$CO_N$		N	±20%	GRM022R71C471ME14#	Dera
	- c0	$M_{T,T}$	1000pF	±10%	GRM022R71C102KE14#	Dera
	1.00	M.		±20%	GRM022R71C102ME14#	Dera
	10Vdc	X7R	100pF	±10%	GRM022R71A101KA01#	
	~ (	$O_{N_1}$	-CVN	±20%	GRM022R71A101MA01#	1
	00 7.	c01	150pF	±10%	GRM022R71A151KA01#	0
	1001		M.TV	±20%	GRM022R71A151MA01#	40
	. 007	I.CL	220pF	±10%	GRM022R71A221KA01#	4
	1.700	√ C	OM.	±20%	GRM022R71A221MA01#	į.C
	W.101	) 1.	330pF	±10%	GRM022R71A331KA01#	7
	-11	07.		±20%	GRM022R71A331MA01#	1
	M		470pF	±10%	GRM022R71A471KA01#	10.
	WW.	N.Y. N.10 .100	CO)	±20%	GRM022R71A471MA01#	-0
	-750		680pF	±10%	GRM022R71A681KA12#	101
	MM		осорі	±20%	GRM022R71A681MA12#	11
	WW		820pF	±10%	GRM022R71A821KA12#	
	-737		OZOPI	±20%	GRM022R71A821MA12#	11-
	1111		1000pF	±10%	GRM022R71A102KA12#	
	W		ТОООРІ	±20%	GRM022R71A102MA12#	
	1	X5R	100pF	±10%	GRM022R61A101KA01#	417
		VOU	ТООРГ	±10%	GRM022R61A101MA01#	
			150°E	n		
		W	150pF	±10%	GRM022R61A151KA01#	1
			000 F	±20%	GRM022R61A151MA01#	
			220pF	±10%	GRM022R61A221KA01#	
			000 5	±20%	GRM022R61A221MA01#	
			330pF	±10%	GRM022R61A331KA01#	-
			470 -	±20%	GRM022R61A331MA01#	
			470pF	±10%	GRM022R61A471KA01#	
				±20%	GRM022R61A471MA01#	
			680pF	±10%	GRM022R61A681KE19#	
				±20%	GRM022R61A681ME19#	
			1000pF	±10%	GRM022R61A102KE19#	
				±20%	GRM022R61A102ME19#	1
			1500pF	±10%	GRM022R61A152KE19#	N
				±20%	GRM022R61A152ME19#	
			2200pF	±10%	GRM022R61A222KE19#	
				±20%	GRM022R61A222ME19#	1
			3300pF	±10%	GRM022R61A332KE19#	( )Le
				±20%	GRM022R61A332ME19#	M
			4700pF	±10%	GRM022R61A472KE19#	
				±20%	GRM022R61A472ME19#	U.
			6800pF	±10%	GRM022R61A682KE19#	10
	I			±20%	GRM022R61A682ME19#	$\top$

T max.	Rated Voltage	TC Code	Сар.	Tol.	Part Number	
0.22mm	10Vdc	X5R	10000pF	±10%	GRM022R61A103KE19#	
	, v - √ (	4ON	L. X	±20%	GRM022R61A103ME19#	
	00x	В	100pF	±10%	GRM022B11A101KA01#	
	1001		VIII.	±20%	GRM022B11A101MA01#	
	.100	V.C	150pF	±10%	GRM022B11A151KA01#	
	N'Jan	<b>47</b> (	$\mathbf{O}_{M}$ ,	±20%	GRM022B11A151MA01#	
	W.10	97.	220pF	±10%	GRM022B11A221KA01#	
		001		±20%	GRM022B11A221MA01#	
	M.V	. 00	330pF	±10%	GRM022B11A331KA01#	
	WW	Ino	JC0	±20%	GRM022B11A331MA01#	
		1.10	470pF	±10%	GRM022B11A471KA01#	
	MM.	×11	01.0	±20%	GRM022B11A471MA01#	
	WW	W	680pF	±10%	GRM022B31A681KE19#	
		W.	-UU	±20%	GRM022B31A681ME19#	
			1000pF	±10%	GRM022B31A102KE19#	
	W	M.	1007	±20%	GRM022B31A102ME19#	
			1500pF	±10%	GRM022B31A152KE19#	
			M.Jo.	±20%	GRM022B31A152ME19#	
		111.	2200pF	±10%	GRM022B31A222KE19#	
		W	N 1	±20%	GRM022B31A222ME19#	
			3300pF	±10%	GRM022B31A332KE19#	
	«T		TANN	±20%	GRM022B31A332ME19#	
	N		4700pF	±10%	GRM022B31A472KE19#	
	W		MM	±20%	GRM022B31A472ME19#	
	TVV		6800pF	±10%	GRM022B31A682KE19#	
	1			±20%	GRM022B31A682ME19#	
	LTW		10000pF	±10%	GRM022B31A103KE19#	
	TT.		V	±20%	GRM022B31A103ME19#	
	6.3Vdc	X5R	1000pF	±20%	GRM022R60J102ME19#	
	$0M_{1T}$	-1	1500pF	±20%	GRM022R60J152ME19#	N
	·MO.	UNA	2200pF	±20%	GRM022R60J222ME19#	-1
	- 1	TW	3300pF	±20%	GRM022R60J332ME19#	IN
	$CO_{D_{2}}$		4700pF	±20%	GRM022R60J472ME19#	
	7 CO	1.7	6800pF	±20%	GRM022R60J682ME19#	
	1.0	M.	10000pF	±20%	GRM022R60J103ME19#	7.7
	M.C.	- n N	15000pF	±20%	GRM022R60J153ME15#	Derating
	NV.C	$O_{M}$	22000pF	±10%	GRM022R60J223KE15#	Derating
	JU -		1.1	±20%	GRM022R60J223ME15#	Derating
	1007.	00	33000pF	±20%	GRM022R60J333ME15#	Derating
	1005		47000pF	±20%	GRM022R60J473ME15#	Derating
	1.10	V.C	68000pF	±20%	GRM022R60J683ME15#	Derating
	$N.10^{\circ}$	-7 (	0.10µF	±20%	GRM022R60J104ME15#	Derating
	-xx 10	В	1000pF	±20%	GRM022B30J102ME19#	3-
	1	001	1500pF	±20%	GRM022B30J152ME19#	01.
	WW.		2200pF	±20%	GRM022B30J222ME19#	001
	-XIV	700	3300pF	±20%	GRM022B30J332ME19#	0~
	N.A.	V 10	4700pF	±20%	GRM022B30J472ME19#	
	WW		6800pF	±20%	GRM022B30J682ME19#	
	WIN	11.7	10000pF	±20%	GRM022B30J103ME19#	
	4Vdc	X6T	0.10µF	±20%	GRM022D80G104ME15#	Derating
	W.	X5R	15000pF	±10%	GRM022R60G153KE15#	
			'	±20%	GRM022R60G153ME15#	
			22000pF	±10%	GRM022R60G223KE15#	
				±20%	GRM022R60G223ME15#	-

GJM Series GRM Series

GMA Series

GMD Series GQM Series

GRJ Series GR3 Series

## **GRM Series High Dielectric Constant Type** Part Number List

Rated TC Voltage Code

max.

Cap.

Tol.

±10%

Part Number

GRM033R71E682KE14#

### (→ ■ 0.4×0.2mm)

T max.	Rated Voltage	TC Code	Cap.	Tol.	Part Number	W
0.22mm	4Vdc	X5R	33000pF	±10%	GRM022R60G333KE15#	
			M.	±20%	GRM022R60G333ME15#	
			47000pF	±10%	GRM022R60G473KE15#	
	TV		WV	±20%	GRM022R60G473ME15#	
			68000pF	±20%	GRM022R60G683ME15#	
	LIN		0.10µF	±20%	GRM022R60G104ME15#	
	2.5Vdc	X6T	0.10µF	±20%	GRM022D80E104ME15#	

	NY '	) 12.1	- m // '	1.	l
15#	0.33mm	25Vdc	X7R	6800pF	
15#	1.WW.1		ON		
15#	The state of the s			10000pF	
15#	MM M.			VIII	
15#	WWW		R	100pF	
4=0			-	450 F	ſ

### ■ 0.6×0.3mm

Ultra-	
compact	

T max.	Rated Voltage	TC Code	Cap.	Tol.	Part Number	
0.33mm	50Vdc	X7R	100pF	±10%	GRM033R71H101KA12#	
	1.0	M		±20%	GRM033R71H101MA12#	17:7
	NY.CV	Dr.	150pF	±10%	GRM033R71H151KA12#	1
	~ C	$O_{N_1}$	TVV	±20%	GRM033R71H151MA12#	
	00 1.	COI	220pF	±10%	GRM033R71H221KA12#	ON
	1007		MIN	±20%	GRM033R71H221MA12#	40
	. 100	I.C.	330pF	±10%	GRM033R71H331KA12#	
	1.70	v.C	$O_{Mr}$	±20%	GRM033R71H331MA12#	Į.C
	$\sqrt{100}$	7 (	470pF	±10%	GRM033R71H471KA12#	17 (
	-xx 1	0.7.	Mon	±20%	GRM033R71H471MA12#	
	111.	COOL	680pF	±10%	GRM033R71H681KA12#	101
	WW.	100	$^{\Lambda}$ .C $_{O_{B}}$	±20%	GRM033R71H681MA12#	00
		1.100	1000pF	±10%	GRM033R71H102KA12#	
		x 10	01.0	±20%	GRM033R71H102MA12#	10
		1	1500pF	±10%	GRM033R71H152KA12#	-11
		W.)		±20%	GRM033R71H152MA12#	1
		В	100pF	±10%	GRM033B31H101KA12#	M.
	1		1007	±20%	GRM033B31H101MA12#	
	V		150pF	±10%	GRM033B31H151KA12#	
				±20%	GRM033B31H151MA12#	W
			220pF	±10%	GRM033B31H221KA12#	
				±20%	GRM033B31H221MA12#	
			330pF	±10%	GRM033B31H331KA12#	W
			WWW	±20%	GRM033B31H331MA12#	
			470pF	±10%	GRM033B31H471KA12#	
				±20%	GRM033B31H471MA12#	
			680pF	±10%	GRM033B31H681KA12#	
			XXIV	±20%	GRM033B31H681MA12#	
			1000pF	±10%	GRM033B31H102KA12#	
			.//	±20%	GRM033B31H102MA12#	
			1500pF	±10%	GRM033B31H152KA12#	
				±20%	GRM033B31H152MA12#	N
	35Vdc	X5R	0.10µF	±10%	GRM033R6YA104KE14#	Derating
				±20%	GRM033R6YA104ME14#	Derating
	25Vdc	X7R	1000pF	±10%	GRM033R71E102KA01#	TV
			1500pF	±10%	GRM033R71E152KA01#	
			2200pF	±10%	GRM033R71E222KA12#	100
			- 1-	±20%	GRM033R71E222MA12#	W.
			3300pF	±10%	GRM033R71E332KA12#	121
			- 1-	±20%	GRM033R71E332MA12#	D'AN
			4700pF	±10%	GRM033R71E472KE14#	Derating
				±20%	GRM033R71E472ME14#	Derating

	25Vac	X/H	6800pF			Deraung
	. <b>√</b> 7 (	ON	L. X	±20%	GRM033R71E682ME14#	Derating
	100 1.	00	10000pF	±10%	GRM033R71E103KE14#	Derating
11.	1007		TIL	±20%	GRM033R71E103ME14#	Derating
		R	100pF	±10%	GRM033R11E101KA01#	
	N.700	-7 (	150pF	±10%	GRM033R11E151KA01#	
	XX 10	01.	220pF	±10%	GRM033R11E221KA01#	
	1	You	330pF	±10%	GRM033R11E331KA01#	
	$MM^{*}$	~~~	470pF	±10%	GRM033R11E471KA01#	
	WW	700	680pF	±10%	GRM033R11E681KA01#	
	\ \\\	110	1000pF	±10%	GRM033R11E102KA01#	
	WW	10	1500pF	±10%	GRM033R11E152KA01#	
	wW	X6S	0.10µF	±10%	GRM033C81E104KE14#	Derating
	11	JW.	100 =	±20%	GRM033C81E104ME14#	Derating
	1/1	X5R	4700pF	±10%	GRM033R61E472KA12#	Derating
	W	MA	1007	±20%	GRM033R61E472MA12#	Derating
			6800pF	±10%	GRM033R61E682KA12#	Derating
			W.100	±20%	GRM033R61E682MA12#	Derating
		MA	10000pF	±10%	GRM033R61E103KA12#	Derating
		W	W.	±20%	GRM033R61E103MA12#	Derating
			0.10µF	±10%	GRM033R61E104KE14#	<del>                                     </del>
				±20%	GRM033R61E104ME14#	+
	N	В	1000pF	±10%	GRM033B11E102KA01#	_
	W		WW	±20%	GRM033B11E102MA01#	
			1500pF	±10%	GRM033B11E152KA01#	
	In			±20%	GRM033B11E152MA01#	+
	WIT		2200pF	±10%	GRM033B31E222KA12#	
	TV	V	1	±20%	GRM033B31E222MA12#	+
	M.r.	CILT.	3300pF	±10%	GRM033B31E332KA12#	
	T.Mc	N.		±20%	GRM033B31E332MA12#	
		TW	10000pF	±10%	GRM033B31E103KA12#	Derating Derating
				±20%	GRM033B31E103MA12#	
	16Vdc	X7B	2200pF	±10%	GRM033R71C222KA88#	
		1.1	3300pF	±10%	GRM033R71C332KA88#	
	Y.Co.	217	4700pF	±10%	GRM033R71C472KE14#	1.1
	V.CC	) IAT.	4700pi	±20%	GRM033R71C472ME14#	8 1
	U x C	$O_{M}$	6800pF	±10%	GRM033R71C682KE14#	1
	001.		ООООРІ	±20%	GRM033R71C682ME14#	NV.
	MON.	Co	10000pF	±10%	GRM033R71C103KE14#	
	To	CC	10000011	±20%	GRM033R71C103RE14#	
	1.700 ;	X7S	0.10µF	±10%	GRM033C71C104KE14#	Derating
	x 100	A/S	υ. τυμε	±20%	GRM033C71C104KE14# GRM033C71C104ME14#	Derating
	11.	D	22005	TY	4// // //	Estimbly.
	111.71	R	2200pF	±10%	GRM033R11C222KA88#	
1// /	WW.	VCC	3300pF	±10%	GRM033R11C332KA88#	27
	AA	X6S	0.10µF	±10%	GRM033C81C104KE14#	907
	WWW	VED	10000 5	±20%	GRM033C81C104ME14#	+
	WW	X5R	10000pF	±10%	GRM033R61C103KA12#	+
	111	W.1	15053 5	±20%	GRM033R61C103MA12#	
	MM	-21	15000pF	±10%	GRM033R61C153KE84#	Derating
	TN T	NW		±20%	GRM033R61C153ME84#	Derating
	44		22000pF	±10%	GRM033R61C223KE84#	Derating
				±20%	GRM033R61C223ME84#	Derating
			33000pF	±10%	GRM033R61C333KE84#	Derating
				±20%	GRM033R61C333ME84#	Derating

(→ ■ 0.6×0.3mm)

T max.	Rated Voltage	TC Code	Сар.	Tol.	Part Number	NI TI
).33mm	16Vdc	X5R	47000pF	±10%	GRM033R61C473KE84#	Derating
			W .	±20%	GRM033R61C473ME84#	Derating
			68000pF	±10%	GRM033R61C683KE84#	Derating
ON	TW		WW	±20%	GRM033R61C683ME84#	Derating
	. 1		0.10µF	±10%	GRM033R61C104KE14#	
	TIM			±20%	GRM033R61C104ME14#	
	TT	В	2200pF	±10%	GRM033B31C222KA87#	
	INT.	W		±20%	GRM033B31C222MA87#	
	$0_{M',j}$	-31	3300pF	±10%	GRM033B31C332KA87#	(X)
	.No.	LM		±20%	GRM033B31C332MA87#	
	COm	TV	10000pF	±10%	GRM033B31C103KA12#	LV
	$CO_N$	1.0	N	±20%	GRM033B31C103MA12#	T
	- c0	$\Lambda_{i,I}$	15000pF	±10%	GRM033B31C153KE84#	Deratin
	1.0	M		±20%	GRM033B31C153ME84#	Deratin
	NY.C	) Tr	22000pF	±10%	GRM033B31C223KE84#	Deratin
	~ T C	$O_{N_1}$	- XX	±20%	GRM033B31C223ME84#	Deratin
	00 7.	~O]	33000pF	±10%	GRM033B31C333KE84#	Deratin
	1007		MIN	±20%	GRM033B31C333ME84#	Deratin
	. 007	Z.CC	47000pF	±10%	GRM033B31C473KE84#	Deratin
	1.700	*7 C	0	±20%	GRM033B31C473ME84#	Deratin
	N.10	7.	68000pF	±10%	GRM033B31C683KE84#	Deratin
	-110	10 Y.	оссоорі	±20%	GRM033B31C683ME84#	Deratin
	M	000	0.10µF	±10%	GRM033B31C104KE84#	Deratin
	WW.	1003	σ. τομί σ. Ο Ο Ι	±20%	GRM033B31C104ME84#	Deratin
	10Vdc	X7R	4700pF	±10%	GRM033R71A472KA01#	20,000
	Tovac	340	470001	±20%	GRM033R71A472MA01#	10
	WW	N. 7.	6800pF	±10%	GRM033R71A682KA01#	1 P
	1	$\sqrt{N}$ .	бооорг	- N	GRM033R71A682MA01#	11.7
	1/1/1/		10000nE	±20%	GRM033R71A103KA01#	
		Man	10000pF	±10%		
	- 1	V70	0.10-5	±20%	GRM033R71A103MA01#	W
		X7S	0.10µF	±10%	GRM033C71A104KE14#	-CN
	-	R	4700pF	±20%	GRM033C71A104ME14#	1.
				±10%	GRM033R11A472KA01#	
			WW.1	±20%	GRM033R11A472MA01#	N.
			6800pF	±10%	GRM033R11A682KA01#	1
		1	MM	±20%	GRM033R11A682MA01#	
			10000pF	±10%	GRM033R11A103KA01#	
				±20%	GRM033R11A103MA01#	
		X5R	4700pF	±10%	GRM033R61A472KA01#	
			W	±20%	GRM033R61A472MA01#	
			6800pF	±10%	GRM033R61A682KA01#	
			1	±20%	GRM033R61A682MA01#	
			15000pF	±10%	GRM033R61A153KE84#	
				±20%	GRM033R61A153ME84#	N
			22000pF	±10%	GRM033R61A223KE84#	W
				±20%	GRM033R61A223ME84#	
			33000pF	±10%	GRM033R61A333KE84#	LA
				±20%	GRM033R61A333ME84#	17
			47000pF	±10%	GRM033R61A473KE84#	100
				±20%	GRM033R61A473ME84#	M.
			68000pF	±10%	GRM033R61A683KE84#	
				±20%	GRM033R61A683ME84#	D)
			0.10µF	±10%	GRM033R61A104KE84#	0
				±20%	GRM033R61A104ME84#	

T max.	Rated Voltage	TC Code	Сар.	Tol.	Part Number	
).33mm	10Vdc	X5R	0.22µF	±20%	GRM033R61A224ME90#	Derating
	)() 1.	В	4700pF	±10%	GRM033B11A472KA01#	
	00,1.	-01	VIII	±20%	GRM033B11A472MA01#	
	1007	Co	6800pF	±10%	GRM033B11A682KA01#	
	700	J.C	DIAT.	±20%	GRM033B11A682MA01#	
	N.100	-7 (	15000pF	±10%	GRM033B31A153KE84#	
	× 10	01.0	.ow.	±20%	GRM033B31A153ME84#	
	1	ON.	22000pF	±10%	GRM033B31A223KE84#	
	$MM^{-1}$	0 - 0 1	$CO_N$	±20%	GRM033B31A223ME84#	T
	N IN	700	33000pF	±10%	GRM033B31A333KE84#	T
		1 100	7.0	±20%	GRM033B31A333ME84#	T
	NW	100	47000pF	±10%	GRM033B31A473KE84#	$\vdash$
	- TVV	$M.T_i$	~1 C	±20%	GRM033B31A473ME84#	$\vdash$
	M	TN.	68000pF	±10%	GRM033B31A683KE84#	$\vdash$
	W		1007	±20%	GRM033B31A683ME84#	+-
	11	WW	0.10µF	±10%	GRM033B31A104KE84#	53KE84# 53ME84# 23KE84# 23ME84# 33KE84# 33KE84# 73KE84# 73KE84# 83ME84# 83ME84# 04KE84# 04KE84# 03KA01# 72KA01# 82KA01# 03KA01# 53KE01# 23KE01# 23ME01#
		CTVV V	N. John	±20%	GRM033B31A104ME84#	+-
	6.3Vdc	X7R	4700pF	±10%	GRM033R70J472KA01#	+-
	0.0740		6800pF	±10%	GRM033R70J682KA01#	+-
		1 1 1 1 1 1	GRM033R70J103KA01#	+-		
		R	4700pF	The same same same same same same same sam	+-	
		1.0	6800pF	±10%		+-
	N	4	10000pF	- 00		+-
	XX	X6S	15000pF	The Contract	GRM033C80J153KE01#	$\vdash$
		703	13000рі	±20%	GRM033C80J153ME01#	+-
	IN		222225	±10%		+-
	WT		22000pF		GRM033C80J223KE01#	-
	1. 1	J	220005	±20%	GRM033C80J223ME01#	+
	$M_{JJ,J}$		33000pF	±10%	GRM033C80J333KE01#	1
	Time	N	47000 F	±20%	GRM033C80J333ME01#	-
	Dist.	rW	47000pF	±10%	GRM033C80J473KE19#	W.
	OM.			±20%	GRM033C80J473ME19#	
	MOD	TV	68000pF	±10%	GRM033C80J683KE84#	
	CO	TI	N _	±20%	GRM033C80J683ME84#	=
	I.CO	N.L.	0.10µF	.10μF ±10% <b>GRM033C80J104KE8</b>	GRM033C80J104KE84#	
	-7 C(	COM		±20%	GRM033C80J104ME84#	Derating
	001.		0.22µF	±20%	GRM033C80J224ME90#	Derating
	ONY.C	X5R		GRM033R60J224ME90#	L	
	0		±10%	GRM033B10J472KA01#	Ohr	
	700 7.	0	6800pF	±10%	GRM033B10J682KA01#	101
	1007		15000pF	±10%	GRM033B10J153KE01#	L
	100	Y.C'	Dr.	±20%	GRM033B10J153ME01#	100
	W.In.	×1 (	22000pF	±10%	GRM033B10J223KE01#	J.C
	T.W.10	nr.	Mon	±20%	GRM033B10J223ME01#	- (
	21 1	OOX	33000pF	±10%	GRM033B10J333KE01#	01.
	M.	-00	V.COD	±20%	GRM033B10J333ME01#	M
	4Vdc	X6S	0.22µF	±20%	GRM033C80G224ME90#	

<b>■ 1.0</b> :	×0.5mı	m .1	00Y.C			
T max.	Rated Voltage	TC Code	Cap.	Tol.	Part Number	
0.22mm	10Vdc	X5R	0.10µF	±10%	GRM152R61A104KE19#	Derating
				±20%	GRM152R61A104ME19#	Derating
			0.22µF	±10%	GRM152R61A224KE19#	Derating

# GJM Series

GMA Series

GQM Series GMD Series

GR3 Series GRJ Series

# GRM Series High Dielectric Constant Type Part Number List

## (→ **■** 1.0×0.5mm)

T max.	Rated Voltage	TC Code	Cap.	Tol.	Part Number	17
.22mm	10Vdc	X5R	0.22µF	±20%	GRM152R61A224ME19#	Derating
		В	0.10µF	±10%	GRM152B31A104KE19#	Derating
. 15	W		MM	±20%	GRM152B31A104ME19#	Derating
OM.			0.22µF	±10%	GRM152B31A224KE19#	Derating
Mo	TAL			±20%	GRM152B31A224ME19#	Derating
	6.3Vdc	X6S	0.10µF	±10%	GRM152C80J104KE19#	Derating
$CO_{J}$		N	V	±20%	GRM152C80J104ME19#	Derating
-1 CC	M·r	- 1	0.22µF	±10%	GRM152C80J224KE19#	Derating
Y	T.Mo	77	0.225.	±20%	GRM152C80J224ME19#	Derating
NY.C	O.	X5R	0.10µF	±10%	GRM152R60J104KE19#	-
	$CO_{Mr}$	XJII	0.10μ1	-311	GRM152R60J104ME19#	M
00 2.		F. 7.	-0.00 F	±20%	COM.	
1007		T.I.	0.22µF	±10%	GRM152R60J224KE19#	
	V.CO		-W	±20%	GRM152R60J224ME19#	_
1.700		$\mathcal{M}_{I}$	0.47µF	±20%	GRM152R60J474ME15#	Derating
x 10	01.		1.0µF	±20%	GRM152R60J105ME15#	Derating
11		В	0.10µF	±10%	GRM152B30J104KE19#	
M.		$CO_{J}$	11.	±20%	GRM152B30J104ME19#	Oh
-TW	700	. cC	0.22µF	±10%	GRM152B30J224KE19#	0
11	1100		TIME	±20%	GRM152B30J224ME19#	
WW	1.2	N.C	0.47µF	±20%	GRM152B30J474ME15#	Derating
-111	4Vdc	X7T	0.10µF	±10%	GRM152D70G104KE15#	Derating
M.	-xxi 10	00x.	MOD	±20%	GRM152D70G104ME15#	Derating
W	1	007	0.22µF	±10%	GRM152D70G224KE15#	Derating
		100	$^{\Lambda}$ C $_{O_{\tilde{D}}}$	±20%	GRM152D70G224ME15#	Derating
		X6S	0.10µF	±10%	GRM152C80G104KE19#	0
	MAI.	st 10	01.0	±20%	GRM152C80G104ME19#	10
		W	0.22µF	±10%	GRM152C80G224KE19#	- 10
		M.	.vo-r .≼/ (	±20%	GRM152C80G224ME19#	1-1
		X6T	0.47µF	±20%	GRM152D80G474ME15#	W.
		XO.	1.0µF	±20%	GRM152D80G105ME15#	Derating
		X5R	1.0µF	±20%	GRM152R60G105ME15#	1
	2.5Vdc	X7T	N. IV		GRM152D70E104KE19#	
	2.5Vuc	X/I	0.10µF	±10%		
		W	0.00 =	±20%	GRM152D70E104ME19#	
			0.22µF	±10%	GRM152D70E224KE19#	NT.
			-3151	±20%	GRM152D70E224ME19#	
).3mm	50Vdc	X7R	220pF	±10%	GRM15XR71H221KA86#	
			330pF	±10%	GRM15XR71H331KA86#	
			470pF	±10%	GRM15XR71H471KA86#	
			680pF	±10%	GRM15XR71H681KA86#	
			1000pF	±10%	GRM15XR71H102KA86#	
			1500pF	±10%	GRM15XR71H152KA86#	
		R	220pF		GRM15XR11H221KA86#	
			330pF		GRM15XR11H331KA86#	
			470pF	±10%	GRM15XR11H471KA86#	N
			680pF	±10%	GRM15XR11H681KA86#	× × 1
			1000pF	±10%	GRM15XR11H102KA86#	
			1500pF	±10%	GRM15XR11H152KA86#	W
		В	220pF	±10%	GRM15XB11H221KA86#	-
			22001		GRM15XB11H221MA86#	
			220-5	±20%		M.
			330pF	±10%	GRM15XB11H331KA86#	N. P.
			4=	±20%	GRM15XB11H331MA86#	M
			470pF	±10%	GRM15XB11H471KA86#	
				±20%	GRM15XB11H471MA86#	4 ( 10 )

T max.	Rated Voltage	TC Code	Сар.	Tol.	Part Number	
0.3mm	50Vdc	В	680pF	±20%	GRM15XB11H681MA86#	
	JU = -1 (	ON	1000pF	±10%	GRM15XB11H102KA86#	
	00x		V.I.M	±20%	GRM15XB11H102MA86#	
	TOOY	Co	1500pF	±10%	GRM15XB11H152KA86#	
	To	J.C	DIATE.	±20%	GRM15XB11H152MA86#	
	25Vdc	X7R	2200pF	±10%	GRM15XR71E222KA86#	
	-x1 10	DX.	.ov.	±20%	GRM15XR71E222MA86#	
	11	В	2200pF	±10%	GRM15XB11E222KA86#	
	MN.	00	CON	±20%	GRM15XB11E222MA86#	
	16Vdc	X7R	3300pF	±10%	GRM15XR71C332KA86#	
		100	1.00	±20%	GRM15XR71C332MA86#	
	NWV	1.2	4700pF	±10%	GRM15XR71C472KA86#	
	TAN	N.7	√1 C	±20%	GRM15XR71C472MA86#	
	Al a.	- 1	6800pF	±10%	GRM15XR71C682KA86#	-
	W	111.	ООООРІ	±20%	GRM15XR71C682MA86#	-
	***	WW	10000pF	±10%	GRM15XR71C103KA86#	-
			ТООООРГ			+
			0000-5	±20%	GRM15XR71C103MA86#	-
		В	3300pF	±10%	GRM15XB11C332KA86#	+
			N.11	±20%	GRM15XB11C332MA86#	+
		W	4700pF	±10%	GRM15XB11C472KA86#	-
		V		±20%	GRM15XB11C472MA86#	-
	N		6800pF	±10%	GRM15XB11C682KA86#	-
	-T			±20%	GRM15XB11C682MA86#	_
			10000pF	±10%	GRM15XB11C103KA86#	_
	TW			±20%	GRM15XB11C103MA86#	
	10Vdc	X5R	15000pF	±10%	GRM15XR61A153KA86#	
	1.7.			±20%	GRM15XR61A153MA86#	
	VIII		22000pF	±10%	GRM15XR61A223KA86#	
	Mr.	W	4	±20%	GRM15XR61A223MA86#	
	$OM_{TT}$	- 1	33000pF	±10%	GRM15XR61A333KA86#	d K.T
	Mo	LA		±20%	GRM15XR61A333MA86#	
).33mm	10Vdc	X5R	1.0µF	±20%	GRM153R61A105ME95#	Derai
	$CO_{N_i}$	В	√1.0µF	±20%	GRM153B31A105ME95#	Deraf
	6.3Vdc	X6T	1.0µF	±20%	GRM153D80J105ME95#	Deraf
		X5R	1.0µF	±20%	GRM153R60J105ME95#	V.
	V.CL	В	1.0µF	±20%	GRM153B30J105ME95#	1
	4Vdc	X6T	1.0µF	±20%	GRM153D80G105ME95#	
).55mm	100Vdc	X7R	220pF	±10%	GRM155R72A221KA01#	OZ
A-4.4	1007	1.0,	330pF	±10%	GRM155R72A331KA01#	
	1	CO.	470pF	±10%	GRM155R72A471KA01#	
	1.700	ST C!	680pF	±10%	GRM155R72A681KA01#	
	100	1.0	1000pF	±10%	GRM155R72A102KA01#	
	A4.	ov.	1500pF	±10%	GRM155R72A102KA01#	17.1
	111.77		CUNZ		GRM155R72A152KA01#	N
	W.	00,7	2200pF	±10%	- 11	JV -
	1	100	3300pF	±10%	GRM155R72A332KA01#	90
	5611	V	4700pF	±10%	GRM155R72A472KA01#	-
	50Vdc	X7R	220pF	±10%	GRM155R71H221KA01#	-
	M.	XV.1	330pF	±10%	GRM155R71H331KA01#	-
	WW	111	470pF	±10%	GRM155R71H471KA01#	
	× 111	WW.	680pF	±10%	GRM155R71H681KA01#	_
	11		1000pF	±10%	GRM155R71H102KA01#	$\perp$
			1500pF	±10%	GRM155R71H152KA01#	L
			2200pF	±10%	GRM155R71H222KA01#	
			3300pF	±10%	GRM155R71H332KA01#	1

(→ **■** 1.0×0.5mm)

T max.	Rated Voltage	TC Code	Сар.	Tol.	Part Number
.55mm	50Vdc	X7R	4700pF	±10%	GRM155R71H472KA01#
			6800pF	±10%	GRM155R71H682KA88#
			10000pF	±10%	GRM155R71H103KA88#
	TW		15000pF	±10%	GRM155R71H153KA12#
	. 1		22000pF	±10%	GRM155R71H223KA12#
	LTW		33000pF	±10%	GRM155R71H333KE14#
	TT	N	1	±20%	GRM155R71H333ME14#
	Mr.	N	47000pF	±10%	GRM155R71H473KE14#
	OM.	- 1		±20%	GRM155R71H473ME14#
	Mo	IM	68000pF	±10%	GRM155R71H683KE14#
	COM	TV		±20%	GRM155R71H683ME14#
	$CO_{\tilde{D}}$	1.0	0.10µF	±10%	GRM155R71H104KE14#
	- c0	$M_{i,I}$	- 1	±20%	GRM155R71H104ME14#
	1.0	R	220pF	±10%	GRM155R11H221KA01#
	V.C	) N	330pF	±10%	GRM155R11H331KA01#
	~J (	$O_{N_1}$	470pF	±10%	GRM155R11H471KA01#
	001.	col	680pF	±10%	GRM155R11H681KA01#
	1001		1000pF	±10%	GRM155R11H102KA01#
	. 007	L.CC	1500pF	±10%	GRM155R11H152KA01#
	1.700	<1 C	2200pF	±10%	GRM155R11H222KA01#
	N.10	) 7.	3300pF	±10%	GRM155R11H332KA01#
	-11	OY.	4700pF	±10%	GRM155R11H472KA01#
	M r.	001	6800pF	±10%	GRM155R11H682KA88#
	WW.	100.	10000pF	±10%	GRM155R11H103KA88#
	1	X6S	33000pF	±10%	GRM155C81H333KE14#
	MAN A	700	33000pi	±20%	GRM155C81H333ME14#
	WW	N.r.	47000pF	±10%	GRM155C81H473KE14#
	1	W.1	47000pr	±10%	1 2011
	1/1/1/	- 1	C0000-F		GRM155C81H473ME14#
	W	MAA	68000pF	±10%	GRM155C81H683KE14#
			1.100	±20%	GRM155C81H683ME14#
		X5R	33000pF	±10%	GRM155R61H333KE14#
	-	MAN	<1.10	±20%	GRM155R61H333ME14#
		W	47000pF	±10%	GRM155R61H473KE14#
			WW.	±20%	GRM155R61H473ME14#
			68000pF	±10%	GRM155R61H683KE14#
		1	AM	±20%	GRM155R61H683ME14#
			0.10µF	±10%	GRM155R61H104KE14#
			- ZIXI	±20%	GRM155R61H104ME14#
		В	220pF	±10%	GRM155B11H221KA01#
				±20%	GRM155B11H221MA01#
			330pF	±10%	GRM155B11H331KA01#
				±20%	GRM155B11H331MA01#
			470pF	±10%	GRM155B11H471KA01#
				±20%	GRM155B11H471MA01#
			680pF	±10%	GRM155B11H681KA01#
				±20%	GRM155B11H681MA01#
			1000pF	±10%	GRM155B11H102KA01#
				±20%	GRM155B11H102MA01#
			1500pF	±10%	GRM155B11H152KA01#
				±20%	GRM155B11H152MA01#
			2200pF	±10%	GRM155B11H222KA01#
			'-	±20%	GRM155B11H222MA01#
			3300pF	±10%	GRM155B11H332KA01#
				±20%	GRM155B11H332MA01#

T max.	Rated Voltage	TC Code	Сар.	Tol.	Part Number	
0.55mm	50Vdc	В	4700pF	±10%	GRM155B11H472KA01#	
	)() 1.	ON		±20%	GRM155B11H472MA01#	
	001.		6800pF	±10%	GRM155B31H682KA88#	
	You.	Co	TV	±20%	GRM155B31H682MA88#	
	Too	J C	10000pF	±10%	GRM155B31H103KA88#	
	N.100	1.0	OM.	±20%	GRM155B31H103MA88#	
	-110	01.	15000pF	±10%	GRM155B31H153KA12#	
	W.70	V	$CO_{M_2}$	±20%	GRM155B31H153MA12#	
	NW.1	00 -	22000pF	±10%	GRM155B31H223KA12#	
	TXX	700.	-001	±20%	GRM155B31H223MA12#	_
		- 100	0.10µF	±10%	GRM155B31H104KE14#	+
	NIVIV	1.10	ο. τομι	±20%	GRM155B31H104ME14#	_
	35Vdc	X6S	0.2205	- Alin	GRM155C8YA224KE01#	Derating
	35 Vuc	700	0.22µF	±10%		
	W	VED.	200 5	±20%	GRM155C8YA224ME01#	Derating
		X5R	0.22µF	±10%	GRM155R6YA224KE01#	Derating
	111		1007	±20%	GRM155R6YA224ME01#	Derating
	1	M	0.47µF	±10%	GRM155R6YA474KE01#	Derating
			11.10	±20%	GRM155R6YA474ME01#	Derating
	25Vdc	X7R	10000pF	±10%	GRM155R71E103KA01#	
		W	15000pF	±10%	GRM155R71E153KA61#	
		V	22000pF	±10%	GRM155R71E223KA61#	
	<b>%</b> I		33000pF	±10%	GRM155R71E333KA88#	
			47000pF	±10%	GRM155R71E473KA88#	
	W		68000pF	±10%	GRM155R71E683KE14#	
			Wite	±20%	GRM155R71E683ME14#	
	7.		0.10µF	±10%	GRM155R71E104KE14#	
	TW		111	±20%	GRM155R71E104ME14#	
	· TV	R	6800pF	±10%	GRM155R11E682KA01#	
	Mir	cXI	10000pF	±10%	GRM155R11E103KA01#	
	M.T		15000pF	±10%	GRM155R11E153KA61#	-
	- N T	W	22000pF	±10%	GRM155R11E223KA61#	
	OMr.		33000pF	±10%	GRM155R11E333KA88#	W
	CON		47000pF	±10%	GRM155R11E473KA88#	-151
		X6S			GRM155C81E224KE01#	
	Y.CO	703	0.22µF	±10%	GRM155C81E224RE01#	T
	V CC	VCD	C0000-F	±20%	LAWY CO	750
	97.	X5R	68000pF	±10%	GRM155R61E683KA87#	M.
	OV.C		W.	±20%	GRM155R61E683MA87#	
	anv.	$C_{\mathbf{O}_{Z}}$	0.10µF	±10%	GRM155R61E104KA87#	Or.
	100 -	c0	M.r.	±20%	GRM155R61E104MA87#	
	100		0.22µF	±10%	GRM155R61E224KE01#	L
	100	Y.C	Dr.	±20%	GRM155R61E224ME01#	
	M.In.	-J	0.47µF	±10%	GRM155R61E474KE01#	J.C
	T.W.10	01.	Mon	±20%	GRM155R61E474ME01#	
	-11	001	1.0µF	±10%	GRM155R61E105KA12#	Derating
	MW.		$VCO_{2}$	±20%	GRM155R61E105MA12#	Derating
	Win	В	10000pF	±10%	GRM155B11E103KA01#	
	N AL	N.10	01.0	±20%	GRM155B11E103MA01#	
	WW)		15000pF	±10%	GRM155B11E153KA61#	1
	TIVI	M.7		±20%	GRM155B11E153MA61#	
	1 7 7		22000pF	±10%	GRM155B11E223KA61#	+
						1
	W	NW		+20%	GRM155B11F223MA61#	
	W	NW		±20%	GRM155B11E223MA61#	
	W	N	33000pF	±20% ±10% ±20%	GRM155B11E223MA61# GRM155B31E333KA87# GRM155B31E333MA87#	

## (→ **■** 1.0×0.5mm)

T max.	Rated Voltage	TC Code	Сар.	Tol.	Part Number	W
.55mm	25Vdc	В	47000pF	±20%	GRM155B31E473MA87#	4
	-7		68000pF	±10%	GRM155B31E683KA87#	
	LIN		11/11/	±20%	GRM155B31E683MA87#	
	TW		0.10µF	±10%	GRM155B31E104KA87#	
			-31	±20%	GRM155B31E104MA87#	
	LTW		1.0µF	±10%	GRM155B31E105KA12#	Derating
V.CO	TIL	N	1	±20%	GRM155B31E105MA12#	Derating
	16Vdc	X7R	68000pF	±10%	GRM155R71C683KA88#	1
	$O_{M'}$	-41	0.15μF	±10%	GRM155R71C154KA12#	(XI
	. No.	IM	0.22µF	±10%	GRM155R71C224KA12#	
	Com	R	68000pF	±10%	GRM155R11C683KA88#	LAN
	$CO_{\overline{N}}$	X6S	0.47µF	±10%	GRM155C81C474KE01#	
	- c0	$V_{I,I}$	-1	±20%	GRM155C81C474ME01#	
	1.00	X5R	0.22µF	±10%	GRM155R61C224KA12#	1.1
	V.C	) N	TW	±20%	GRM155R61C224MA12#	- 1
	×1 (	OM	0.47µF	±10%	GRM155R61C474KE01#	
	00 x.	0	T.T.	±20%	GRM155R61C474ME01#	ON
	100Y		1.0µF	±10%	GRM155R61C105KA12#	
	. 202	$LC^{C}$	Wileki	±20%	GRM155R61C105MA12#	<del>CU</del>
	1.700	В	1.0µF	±10%	GRM155B31C105KA12#	100
	N 100		1.0µ	±20%	GRM155B31C105MA12#	Derating  Corating
	10Vdc	X7R	0.22µF	±10%	GRM155R71A224KE01#	14.
	Tovac	A/N	υ.ΖΖμΓ	±10%	GRM155R71A224RE01#	MY.
	TIN.	100.	0.475	1. 3	- 1111	30.
	N	100	0.47µF	±10%	GRM155R71A474KE01#	400.
	MAN	V00	10.5	±20%	GRM155R71A474ME01#	100
		X6S	1.0µF	±10%	GRM155C81A105KA12#	120
	M.	<del>-111</del>	00 7.	±20%	GRM155C81A105MA12#	11.11
	WW	X5R	0.15µF	±10%	GRM155R61A154KE19#	
	W	MM	. 001	±20%	GRM155R61A154ME19#	14.
			0.22µF	±10%	GRM155R61A224KE19#	WV
	V	1	100	±20%	GRM155R61A224ME19#	
		WW	0.33µF	±10%	GRM155R61A334KE15#	
		-XIX	M.10	±20%	GRM155R61A334ME15#	WW
		11	0.47µF	±10%	GRM155R61A474KE15#	1
		V	<b>NN</b> '	±20%	GRM155R61A474ME15#	M
		4	0.68µF	±10%	GRM155R61A684KE15#	2# 9# 9# 9# 9# 5# 5# 5# 5# 5#
			-1111	±20%	GRM155R61A684ME15#	
		В	0.15µF	±10%	GRM155B31A154KE18#	
			MW	±20%	GRM155B31A154ME18#	
			0.22µF	±10%	GRM155B31A224KE18#	19# 119# 115# 115# 115# 115# 115# 115# 118# 118#
			1	±20%	GRM155B31A224ME18#	
			0.33µF	±10%	GRM155B31A334KE14#	
			1	±20%	GRM155B31A334ME14#	
			0.47µF	±10%	GRM155B31A474KE14#	N
				±20%	GRM155B31A474ME14#	Derating
			0.68µF	±10%	GRM155B31A684KE15#	
				±20%	GRM155B31A684ME15#	TV
			2.2µF	±10%	GRM155B31A225KE95#	Derating
			<i></i> -μι	±20%	GRM155B31A225RE95#	
	6.3Vdc	X7R	1 005	-	GRM155B31A225WE95# GRM155R70J105KA12#	
	0.3 Vuc	A/R	1.0µF	±10%		
		V60	0.0.5	±20%	GRM155R70J105MA12#	
		X6S	2.2µF	±10%	GRM155C80J225KE95#	
				±20%	GRM155C80J225ME95#	Derating
		X5R	0.15µF	±10%	GRM155R60J154KE01#	

T max.	Rated Voltage	TC Code	Cap.	Tol.	Part Number	
0.55mm	6.3Vdc	X5R	0.15µF	±20%	GRM155R60J154ME01#	
	M 7.	MO	0.22µF	±10%	GRM155R60J224KE01#	
	001.	- 01		±20%	GRM155R60J224ME01#	
	100X	Co	0.33µF	±10%	GRM155R60J334KE01#	
	700	J.CC		±20%	GRM155R60J334ME01#	
	N.100	- C	0.47µF	±10%	GRM155R60J474KE19#	
	x 10	01.0		±20%	GRM155R60J474ME19#	
	111.	ON.	0.68µF	±10%	GRM155R60J684KE19#	
	$MM^{-1}$	000		±20%	GRM155R60J684ME19#	
	WIN	В	0.15µF	±10%	GRM155B10J154KE01#	
		100		±20%	GRM155B10J154ME01#	
	MM		0.22µF	±10%	GRM155B10J224KE01#	
	WIN	$M^{*r_s}$		±20%	GRM155B10J224ME01#	
	///	W.1	0.33µF	±10%	GRM155B10J334KE01#	
	11/1	N 1		±20%	GRM155B10J334ME01#	
	W	Will	0.47µF	±10%	GRM155B30J474KE18#	
	4	UW	N.Ta.	±20%	GRM155B30J474ME18#	
			0.68µF	±10%	GRM155B30J684KE18#	
		M.		±20%	GRM155B30J684ME18#	
		W	2.2µF	±10%	GRM155B30J225KE95#	
			WW.	±20%	GRM155B30J225ME95#	
	4Vdc	X7R	1.0µF	±10%	GRM155R70G105KA12#	
	N	4	MAL	±20%	GRM155R70G105MA12#	
0.6mm	35Vdc	X5R	1.0µF	±10%	GRM155R6YA105KE11#	Derating
				±20%	GRM155R6YA105ME11#	Derating
	25Vdc	X6S	1.0µF	±10%	GRM155C81E105KE11#	Derating
	WE		W	±20%	GRM155C81E105ME11#	Derating
	16Vdc	X6S	1.0µF	±10%	GRM155C81C105KE11#	
	M.r.	osi.		±20%	GRM155C81C105ME11#	
	6.3Vdc	X5R	4.7μF	±20%	GRM155R60J475ME47#	Derating
	-3/1	В	4.7µF	±20%	GRM155B30J475ME47#	Derating
	4Vdc	X5R	4.7µF	±20%	GRM155R60G475ME47#	W
	COM	В	4.7µF	±20%	GRM155B30G475ME47#	-
	2.5Vdc	X6T	4.7µF	±20%	GRM155D80E475ME47#	Derating
0.65mm		X6S	4.7µF	±20%	GRM155C80J475MEAA#	Derating
0.7mm	25Vdc	X5R	2.2µF	±10%	GRM155R61E225KE11#	
111.70	-1 C	OM		±20%	GRM155R61E225ME11#	1
	16Vdc	X6S	2.2µF	±10%	GRM155C81C225KE11#	ON
	100X	7.00	WTI	±20%	GRM155C81C225ME11#	
	70	X5R	2.2µF	±10%	GRM155R61C225KE11#	TO:
	1.100	7.011	2.201	±20%	GRM155R61C225ME11#	CC
	10Vdc	X7S	2.2µF	±10%	GRM155C71A225KE11#	
	10700	XIO	2.2рі	±20%	GRM155C71A225ME11#	V
	111.7	X6S	2 2uF	±10%	GRM155C81A225KE11#	17.
	WW.	7,00	2.2µF	±10%	GRM155C81A225ME11#	~<1
	6.3//do	V79	2 2uE			90 3
	6.3Vdc	X7S	2.2µF	±10%	GRM155C70J225KE11#	
	4\/d=	VED	10	±20%	GRM155C70J225ME11#	1
	4Vdc	X5R	10µF	±20%	GRM155R60G106ME44#	
	2.5Vdc	X5R	10μF	±20%	GRM155R60E106ME16#	1

T max.	Rated Voltage	TC Code	Cap.	Tol.	Part Number	
0.5mm	25Vdc	X5R	1.0µF	±10%	GRM185R61E105KA12#	Derating
			WW	±20%	GRM185R61E105MA12#	Derating
	. 1	В	1.0µF	±10%	GRM185B31E105KA12#	Deratin
	LTV			±20%	GRM185B31E105MA12#	Deratin
	16Vdc	X5R	1.0µF	±10%	GRM185R61C105KE44#	
	Mr.	W		±20%	GRM185R61C105ME44#	
	$0_{M^*}$	В	1.0µF	±10%	GRM185B31C105KE43#	N
		In		±20%	GRM185B31C105ME43#	
	6.3Vdc	X5R	10μF	±20%	GRM185R60J106ME15#	Deratin
	4Vdc	X5R	√10µF	±20%	GRM185R60G106ME15#	T
0.55mm	16Vdc	X5R	4.7µF	±10%	GRM185R61C475KE11#	
	1.0	M		±20%	GRM185R61C475ME11#	1.
	10Vdc	X6S	4.7µF	±10%	GRM185C81A475KE11#	Deratin
		$O_{\tilde{M}_1}$	CVN	±20%	GRM185C81A475ME11#	Derating
	00 7.	X5R	4.7µF	±10%	GRM185R61A475KE11#	OD
			MIN	±20%	GRM185R61A475ME11#	
	6.3Vdc	X7T	4.7µF	±20%	GRM185D70J475ME11#	Derating
	1.Too	X6S	4.7µF	±20%	GRM185C80J475ME11#	Į.C
0.9mm	250Vdc	X7R	220pF	±10%	GRM188R72E221KW07#	7 (
		01.	330pF	±10%	GRM188R72E331KW07#	
	1111.	003	470pF	±10%	GRM188R72E471KW07#	OY
		Too	680pF	±10%	GRM188R72E681KW07#	01
		1,100	1000pF	±10%	GRM188R72E102KW07#	in.
	MAL	-110	1500pF	±10%	GRM188R72E152KW07#	10
		W.r.	2200pF	±10%	GRM188R72E222KW07#	- 41
	200Vdc	X7R	220pF	±10%	GRM188R72D221KW07#	1-1
	200100	-TXN	330pF	±10%	GRM188R72D331KW07#	W.
		M.	470pF	±10%	GRM188R72D471KW07#	
		W	680pF	±10%	GRM188R72D681KW07#	
		- TXN	1000pF	±10%	GRM188R72D102KW07#	W
		M	1500pF	±10%	GRM188R72D152KW07#	
		W		M-1	GRM188R72D222KW07#	
	100\/da	X7R	2200pF	±10%		W
	100Vdc	Λ/Π	220pF	IV	GRM188R72A221KA01#	
			330pF	±10%	GRM188R72A331KA01#	
			470pF	±10%	GRM188R72A471KA01#	
			680pF	±10%	GRM188R72A681KA01#	
			1000pF	±10%	GRM188R72A102KA01#	
			1500pF	±10%	GRM188R72A152KA01#	
			2200pF	±10%	GRM188R72A222KA01#	
			3300pF	±10%	GRM188R72A332KA01#	
			4700pF	±10%	GRM188R72A472KA01#	4.1
			6800pF	±10%	GRM188R72A682KA01#	1
			10000pF	±10%	GRM188R72A103KA01#	W
			15000pF	±10%	GRM188R72A153KAC4#	
				±20%	GRM188R72A153MAC4#	7
			22000pF	±10%	GRM188R72A223KAC4#	T
				±20%	GRM188R72A223MAC4#	
			0.10µF	±10%	GRM188R72A104KA35#	Mr.
	50Vdc	X7R	220pF	±10%	GRM188R71H221KA01#	M
			330pF	±10%	GRM188R71H331KA01#	
			470pF	±10%	GRM188R71H471KA01#	U
			680pF	±10%	GRM188R71H681KA01#	1

T max.	Rated Voltage	TC Code	Сар.	Tol.	Part Number
.9mm	50Vdc	X7R	1000pF	±10%	GRM188R71H102KA01#
	10 2	ON	1500pF	±10%	GRM188R71H152KA01#
	00%	-01	2200pF	±10%	GRM188R71H222KA01#
	LOON	Co	3300pF	±10%	GRM188R71H332KA01#
	1.10	J C	4700pF	±10%	GRM188R71H472KA01#
	N.100	7.	6800pF	±10%	GRM188R71H682KA01#
	-110	01.0	10000pF	±10%	GRM188R71H103KA01#
	11.2	No.	15000pF	±10%	GRM188R71H153KA01#
	NW.	00	22000pF	±10%	GRM188R71H223KA01#
	-TXN	700.	33000pF	±10%	GRM188R71H333KA61#
	M. I.	- 100	47000pF	±10%	GRM188R71H473KA61#
	NVV	1.1	68000pF	±10%	GRM188R71H683KA93#
		N.7	0.10μF	±10%	GRM188R71H104KA93#
	1/1/11	- 1	0.15µF	±10%	GRM188R71H154KAC4#
	WY	111.	υ. τομε		
	-31	WW	0.00 5	±20%	GRM188R71H154MAC4#
	M		0.22µF	±10%	GRM188R71H224KAC4#
		AM.	- ni -1 <u>-0</u> 0	±20%	GRM188R71H224MAC4#
		R	220pF	±10%	GRM188R11H221KA01#
			330pF	±10%	GRM188R11H331KA01#
		W	470pF	±10%	GRM188R11H471KA01#
		V	680pF	±10%	GRM188R11H681KA01#
	os.T		1000pF	±10%	GRM188R11H102KA01#
	V.		1500pF	±10%	GRM188R11H152KA01#
	W		2200pF	±10%	GRM188R11H222KA01#
	TV		3300pF	±10%	GRM188R11H332KA01#
			4700pF	±10%	GRM188R11H472KA01#
	TIN		6800pF	±10%	GRM188R11H682KA01#
	VT	V	10000pF	±10%	GRM188R11H103KA01#
	Mr.	c N	15000pF	±10%	GRM188R11H153KA01#
	W.T	1	22000pF	±10%	GRM188R11H223KA01#
	- 11	W	33000pF	±10%	GRM188R11H333KA61#
	$f_{OMr}$	T. T.	47000pF	±10%	GRM188R11H473KA61#
	COM				GRM188R11H683KA93#
		1.T	68000pF	±10%	- 100 F N. 1. 3
	V.CO	VED	0.10µF	±10%	GRM188R11H104KA93#
	W CC	X5R	0.22µF	±10%	GRM188R61H224KAC4#
	01.	MO	0.47µF	±10%	GRM188R61H474KA12#
	OV.C		TIN .	±20%	GRM188R61H474MA12#
		$C_{\mathbf{O}_{L}}$	1.0µF	±10%	GRM188R61H105KAAL#
	700 .	-00	M.r.	±20%	GRM188R61H105MAAL#
	1003	В	220pF	±10%	GRM188B11H221KA01#
	1	V.C	Dr.	±20%	GRM188B11H221MA01#
	M.In.	×1 (	330pF	±10%	GRM188B11H331KA01#
	1XV.10	0 x	Mon	±20%	GRM188B11H331MA01#
	1	OOX	470pF	±10%	GRM188B11H471KA01#
	M.	, O.	$^{\Lambda,CO_{D}}$	±20%	GRM188B11H471MA01#
	- NIW	700	680pF	±10%	GRM188B11H681KA01#
	MAL	N 10	07.0	±20%	GRM188B11H681MA01#
	WW	1	1000pF	±10%	GRM188B11H102KA01#
	TATAN	$M_{\rm J}$	×1 (	±20%	GRM188B11H102MA01#
	MA	TXN	1500pF	±10%	GRM188B11H152KA01#
	W	M. A.	Госорі	±20%	GRM188B11H152MA01#
			2200nE		GRM188B11H132WA01#
			2200pF	±10%	
		1	1	±20%	GRM188B11H222MA01#

GJM Series

GMA Series C

GQM Series GMD Series

GR3 Series | GRJ Series

KRM Series | G

LLA Series KR3 Series

# GRM Series High Dielectric Constant Type Part Number List

T max.	Rated Voltage	TC Code	Cap.	Tol.	Part Number
.9mm	50Vdc	В	3300pF	±20%	GRM188B11H332MA01#
			4700pF	±10%	GRM188B11H472KA01#
			MM	±20%	GRM188B11H472MA01#
	-TIV		6800pF	±10%	GRM188B11H682KA01#
				±20%	GRM188B11H682MA01#
	LTW		10000pF	±10%	GRM188B11H103KA01#
	TT	V	1	±20%	GRM188B11H103MA01#
	Mr	KN	15000pF	±10%	GRM188B11H153KA01#
	OM.	1		±20%	GRM188B11H153MA01#
	Mo	$L_M$	22000pF	±10%	GRM188B11H223KA01#
	COR	TV	·	±20%	GRM188B11H223MA01#
	CON	J. D.	33000pF	±10%	GRM188B11H333KA61#
	CO	$V_{J}$	1	±20%	GRM188B11H333MA61#
	Y.Co	71	47000pF	±10%	GRM188B11H473KA61#
	V.C	) Nr.		±20%	GRM188B11H473MA61#
	-1 (	$O_{M}$	68000pF	±10%	GRM188B31H683KA92#
	001.		ососорі	±20%	GRM188B31H683MA92#
	100Y.	CO.	0.10µF	±10%	GRM188B31H104KA92#
	70.02	7.CC	υ. τομι	±20%	GRM188B31H104MA92#
	V.100	-7 (	0.15µF	±10%	GRM188B31H154KAC4#
	100	<i>N</i> . •	υ. τομε		77.1.003
	11.	ov.	0.005	±20%	GRM188B31H154MAC4#
	$MM^{*}T$		0.22µF	±10%	GRM188B31H224KAC4#
	TIN.	$r_{0\alpha}$	· (CE)	±20%	GRM188B31H224MAC4#
	M	100	1.0µF	±10%	GRM188B31H105KAAL#
			SV.CU	±20%	GRM188B31H105MAAL#
	25Vdc	X7R	33000pF	±10%	GRM188R71E333KA01#
	M.	×v.1	47000pF	±10%	GRM188R71E473KA01#
	WW		68000pF	±10%	GRM188R71E683KA01#
	XXI"	NW	0.15µF	±10%	GRM188R71E154KA01#
			0.22µF	±10%	GRM188R71E224KA88#
	1		0.47µF	±10%	GRM188R71E474KA12#
	-	WW	11.	±20%	GRM188R71E474MA12#
		-11	1.0µF	±10%	GRM188R71E105KA12#
			AIN A	±20%	GRM188R71E105MA12#
		R	33000pF	±10%	GRM188R11E333KA01#
		4	47000pF	±10%	GRM188R11E473KA01#
			68000pF	±10%	GRM188R11E683KA01#
			0.15µF	±10%	GRM188R11E154KA01#
			0.22µF	±10%	GRM188R11E224KA88#
		X5R	0.22µF	±10%	GRM188R61E224KA88#
			0.47µF	±10%	GRM188R61E474KA12#
				±20%	GRM188R61E474MA12#
			0.68µF	±10%	GRM188R61E684KA75#
				±20%	GRM188R61E684MA75#
			1.0µF	±10%	GRM188R61E105KA12#
				±20%	GRM188R61E105MA12#
			2.2µF	±10%	GRM188R61E225KA12#
				±20%	GRM188R61E225MA12#
		В	10000pF	±10%	GRM188B11E103KA01#
			Ισσουρί	±20%	GRM188B11E103MA01#
			150005E		GRM188B11E153KA01#
			15000pF	±10%	
			22000pF	±20%	GRM188B11E153MA01#
				±10%	GRM188B11E223KA01#

T max.	Rated Voltage	TC Code	Сар.	Tol.	Part Number
).9mm	25Vdc	В	33000pF	±10%	GRM188B11E333KA01#
	)U 1	NO.		±20%	GRM188B11E333MA01#
	001.	- 01	47000pF	±10%	GRM188B11E473KA01#
	100X	Co	TT	±20%	GRM188B11E473MA01#
	700	J.C	68000pF	±10%	GRM188B11E683KA01#
	N.100		$O_{M',I}$	±20%	GRM188B11E683MA01#
	- x1 10	01.	0.10µF	±10%	GRM188B11E104KA01#
	11	MY.	CON	±20%	GRM188B11E104MA01#
	$N_{M^{*}}$	. 03	0.15µF	±10%	GRM188B11E154KA01#
	- TW	700	0.22µF	±10%	GRM188B31E224KA87#
		100	0.47µF	±10%	GRM188B31E474KA75#
	MAN	4.0	M.Cu	±20%	GRM188B31E474MA75#
	- TW	$M^{*}T_{i}$	0.68µF	±10%	GRM188B31E684KA75#
	N.	TVI.	100 7.	±20%	GRM188B31E684MA75#
			1.0µF	±10%	GRM188B31E105KA75#
	W	WW	.007	±20%	GRM188B31E105MA75#
			2.2µF	±10%	GRM188B31E225KA12#
		1	W.100	±20%	GRM188B31E225MA12#
	16Vdc	X7R	0.15µF	±10%	GRM188R71C154KA01#
			0.22µF	±10%	GRM188R71C224KA01#
			0.33µF	±10%	GRM188R71C334KA01#
		V	0.47μF	±10%	GRM188R71C474KA88#
	N	-	1.0µF	±10%	GRM188R71C105KE15#
	N.		WW.	±20%	GRM188R71C105ME15#
	. *1	X7S	0.68µF	±10%	GRM188C71C684KA12#
	TM	X/3	0.00μ1	±20%	GRM188C71C684MA12#
	WT	R	0.33µF	±10%	GRM188R11C334KA01#
	1.	V	0.47μF	±10%	GRM188R11C474KA88#
	$M_{i,T}$	X6S	2.2μF	±10%	GRM188C81C225KA12#
	$T.I_{MC}$	XOO	Σ.Ζμι	±20%	GRM188C81C225MA12#
	Or.	X5R	0.68µF	±10%	GRM188R61C684KA75#
	OMr.		о.оор.	±20%	GRM188R61C684MA75#
	CON		2.2µF	±10%	GRM188R61C225KE15#
		В	0.33µF	±10%	GRM188B11C334KA01#
	Y.CO	- 1	0.00р.	±20%	GRM188B11C334MA01#
	V.CC	) IAT.	0.68µF	±10%	GRM188B31C684KA75#
	J 27 C	$O_{M}$	υ.υομι	±20%	GRM188B31C684MA75#
	001.		2.2µF	±10%	GRM188B31C225KE14#
	10Vdc	X7R	0.33µF	±10%	GRM188R71A334KA61#
	10 400		υ.σομι	±20%	GRM188R71A334MA61#
	1.70a	701	0.68µF	±10%	GRM188R71A684KA61#
	N 100	1.0	0.00μ1	±20%	GRM188R71A684MA61#
	11.	OY.	2.2µF	±10%	GRM188R71A225KE15#
	111.77		ζ.ζμΓ	±20%	GRM188R71A225NE15#
	WW.	X7T	2 2015	<del>}</del>	GRM188D71A225KE34#
	N.	100	2.2µF	±10%	1
	MAN	VED	0.22.5	±20%	GRM188D71A225ME34#
	WIN	X5R	0.33µF	±10%	GRM188R61A334KA61#
	111	B.	0.000-5	±20%	GRM188R61A334MA61#
	MN	В	0.33µF	±10%	GRM188B11A334KA61#
	0.6141	N.M.	10 =	±20%	GRM188B11A334MA61#
0.5	6.3Vdc	В	10µF	±20%	GRM188B30J106ME47#
.95mm	25Vdc	X5R	4.7μF	±10%	GRM188R61E475KE11#
				±20%	GRM188R61E475ME11#
	16Vdc	X6S	4.7µF	±10%	GRM188C81C475KE11#

### (→ **■** 1.6×0.8mm)

T max.	Rated Voltage	TC Code	Сар.	Tol.	Part Number	NN NN
0.95mm	16Vdc	X6S	4.7µF	±20%	GRM188C81C475ME11#	
		X5R	4.7µF	±10%	GRM188R61C475KE11#	
	W			±20%	GRM188R61C475ME11#	
			10μF	±10%	GRM188R61C106KAAL#	
				±20%	GRM188R61C106MAAL#	
	$V_{\perp}V_{\parallel}$	В	4.7µF	±10%	GRM188B31C475KAAJ#	Derating
	TT	N		±20%	GRM188B31C475MAAJ#	Derating
	10Vdc	X7S	4.7µF	±10%	GRM188C71A475KE11#	
	$0_{M',j}$			±20%	GRM188C71A475ME11#	(XI
	.Mo.	X5R	10µF	±10%	GRM188R61A106KAAL#	
	COm	W		±20%	GRM188R61A106MAAL#	UN
	$CO_{\tilde{D}}$	В	10µF	±20%	GRM188B31A106ME69#	Derating
1.0mm	50Vdc	X5R	2.2µF	±10%	GRM188R61H225KE11#	
	7.0	M		±20%	GRM188R61H225ME11#	17:7
	35Vdc	X6S	2.2µF	±10%	GRM188C8YA225KE11#	. 1.
	0 V	$O_{N_{1}}$		±20%	GRM188C8YA225ME11#	
	00 -	X5R	4.7µF	±10%	GRM188R6YA475KE15#	ON
	1007	30		±20%	GRM188R6YA475ME15#	0
	25Vdc	X7S	2.2µF	±10%	GRM188C71E225KE11#	
	1.70	V.C		±20%	GRM188C71E225ME11#	J.C
	MM: $MM$ : $M$ : $M$ : $M$ : $M$ : $M$ : $M$	X6S	2.2µF	±10%	GRM188C81E225KE11#	J C
		00x		±20%	GRM188C81E225ME11#	12
		1007	4.7µF	±10%	GRM188C81E475KE11#	Derating
		. 00		±20%	GRM188C81E475ME11#	Derating
	M	X5R	10µF	±20%	GRM188R61E106MA73#	
	16Vdc	X7S	2.2µF	±10%	GRM188C71C225KE11#	10
	MM	-11		±20%	GRM188C71C225ME11#	11
		X6S	10µF	±20%	GRM188C81C106MA73#	
	10Vdc	X7T	10µF	±20%	GRM188D71A106MA73#	W.
	6.3Vdc	X7T	10µF	±20%	GRM188D70J106MA73#	a V
	1	X5R	22µF	±20%	GRM188R60J226MEA0#	Derating
	-	В	22µF	±20%	GRM188B30J226MEA0#	Derating
	4Vdc	X6S	22µF	±20%	GRM188C80G226MEA0#	Derating
		X5R	22µF	±20%	GRM188R60G226MEA0#	
		В	22µF	±20%	GRM188B30G226MEA0#	W

### ■ 2.0×1.25mm

	T max.	Rated Voltage	TC Code	Cap.	Tol.	Part Number	
	0.7mm	16Vdc	X6S	1.0µF	±10%	GRM216C81C105KA12#	
	0.95mm	100Vdc	X7R	10000pF	±10%	GRM219R72A103KA01#	
				1	±20%	GRM219R72A103MA01#	
		50Vdc	X7R	10000pF	±10%	GRM219R71H103KA01#	
					±20%	GRM219R71H103MA01#	
				15000pF	±10%	GRM219R71H153KA01#	-1
					±20%	GRM219R71H153MA01#	LAA
				33000pF	±10%	GRM219R71H333KA01#	TV
				0.33µF	±10%	GRM219R71H334KA88#	
			R	33000pF	±10%	GRM219R11H333KA01#	1.1
			X5R	1.0µF	±10%	GRM219R61H105KA73#	M.
					±20%	GRM219R61H105MA73#	,
				2.2µF	±10%	GRM219R61H225KE15#	$O_{M_1}$
					±20%	GRM219R61H225ME15#	

. Part Numb	Tol.	Сар.	TC Code	Rated Voltage	T max.
% GRM219B31H334	±10%	0.33µF	В	50Vdc	0.95mm
% GRM219B31H334	±20%		MO.	M r.	W.19
% GRM219B31H105	±10%	1.0µF	- 01	001.	1
% GRM219B31H105	±20%	TT	Co	YOU	MM.
% GRM219B31H225	±10%	2.2µF	J CC	Too	WW
% GRM219B31H225	±20%	$OM_{1,1}$		N.100	
% GRM219C8YA225	±10%	2.2µF	X6S	35Vdc	MM
% GRM219C8YA225	±20%	Con	ooy.	11	WW
% GRM219R6YA475	±10%	4.7µF	X5R	$MM \cdot T$	_ 11
% GRM219R6YA475	±20%	. co1	700;	TIN.	
% GRM219R71E104	±10%	0.10µF	X7R	25Vdc	V
% GRM219R71E104	±20%	V.CO	102	NWW	
% GRM219R71E684	±10%	0.68µF	11.77	- TVV	
% GRM219R71E105	±10%	1.0µF	-XV.1	/// //	
	±10%	68000pF	R	W	
401	±10%	2.2µF	X6S	<b>N</b>	V
	±20%	N.120.0	7100 - XXIV		- × T
	±10%	2.2µF	X5R		W
	±20%	(Z,Zpi	ASIT		W
CONTRACT	±10%	4.7μF	- N		-XX
	±20%	4.7μι			[', I', I', I', I', I', I', I', I', I', I
7.	100.7.	10			TI
N - TA	±10%	10µF	4	N	
OUNT A	±20%	20.5			M.
	±10%	2.2µF	В		
1007	±20%			TW	
1001	±10%	10μF		TV	$CO_{M_I}$
V-7 CUNT	±20%			1.7	COD
	±10%	0.33µF	X7R	16Vdc	
1007.	±10%	2.2µF	N	T	V.CU
% GRM219R71C225	±20%			$O_{Mr}$ .	ov C
% GRM219R11C684	±10%	0.68µF	R	·MO·	)() r.
% GRM219C81C475	±10%	4.7µF	X6S		001.
% GRM219C81C475	±20%	N		$[C_{O_{D_i}}]$	Your
% GRM219R61C475	±10%	4.7µF	X5R		Too
% GRM219R61C106	±10%	10µF	M.	7.0	N.100
% GRM219R61C106	±20%			O.Y.C.	-110
% GRM219B31C475	±10%	4.7µF	В	.V.C	W.1
% GRM219B31C106	±10%	10µF	COD	JU -	NW.1
% GRM219B31C106	±20%	WIN		$^{700x}$ .	TAN
% GRM219R71A225	±10%	2.2µF	X7R	10Vdc	MAI
% GRM219R71A225	±20%	DIAT.	V.C	1.10	WWW
% GRM219D71A475	±10%	4.7µF	X7T	0.100	V
% GRM219D71A475	±20%	MO	01.	-XXI 10	MAN
% GRM219R61A226	±20%	22µF	X5R	111.	W
	±20%	22µF	В	WW.	√ 1
	±10%	10µF	X6S	6.3Vdc	11
177	±20%	M.C.	110	(1)	
	±20%	22µF	X5R	WWY	
	±20%	22µF	В	-141	
	±10%	22μι 10μF	X6S	4Vdc	
		Ισμι	7,00	- v uc	
	±20%	47uE	YED		N
	±20%	47µF	X5R	0 E)/4-	17
% GRM219D80E476	±20% ±10%	47μF 1000pF	X6T X7R	2.5Vdc 250Vdc	1.0mm

GJM Series

GMA Series

GMD Series GQM Series

GRJ Series GR3 Series

# **GRM Series High Dielectric Constant Type** Part Number List

### (→ **■** 2.0×1.25mm)

T max.	Rated Voltage	TC Code	Cap.	Tol.	Part Number	11
1.0mm	250Vdc	X7R	1500pF	±10%	GRM21AR72E152KW01#	
			2200pF	±10%	GRM21AR72E222KW01#	
W 17	N		3300pF	±10%	GRM21AR72E332KW01#	
	-XXI		4700pF	±10%	GRM21AR72E472KW01#	
Mor	3.		6800pF	±10%	GRM21AR72E682KW01#	
	200Vdc	X7R	1000pF	±10%	GRM21AR72D102KW01#	
	Vm -	N	1500pF	±10%	GRM21AR72D152KW01#	
-1 CC	W.r.	« <b>%</b> ]	2200pF	±10%	GRM21AR72D222KW01#	
	TIMO	//	3300pF	±10%	GRM21AR72D332KW01#	-1
	21	WI	4700pF	±10%	GRM21AR72D472KW01#	
	$CO_{Mr}$		6800pF	±10%	GRM21AR72D682KW01#	W
	100Vdc	X7R		±10%	GRM21AR72A224KAC5#	- 18
	100 vac	A/H	0.22µF		- 100 m	
	50)(1	V7D	0.33µF	±10%	GRM21AR72A334KAC5#	1
	50Vdc	X7R	22000pF	±10%	GRM219R71H223KA17#	13.0
	07.	M	3.4	±20%	GRM219R71H223MA17#	$\Delta L$
	35Vdc	X6S	4.7µF	±10%	GRM219C8YA475KE21#	Derating
MM.		$c_{O_I}$	177	±20%	GRM219C8YA475ME21#	Derating
	25Vdc	X7S	4.7µF	±10%	GRM219C71E475KE21#	Derating
	1100		TIME	±20%	GRM219C71E475ME21#	Derating
	100	X6S	4.7µF	±10%	GRM219C81E475KE21#	Derating
	M.To.	×7 (	$CO_{MT}$ .	±20%	GRM219C81E475ME21#	Derating
	16Vdc	X7S	4.7µF	±10%	GRM219C71C475KE21#	
W	-11	003	.00	±20%	GRM219C71C475ME21#	01
	M.W.	X5R	22µF	±20%	GRM219R61C226ME15#	Derating
1.35mm	100Vdc	X7R	10000pF	±10%	GRM21BR72A103KA01#	
	N. A.	v 10	15000pF	±10%	GRM21BR72A153KA01#	10
	WW	17.	22000pF	±10%	GRM21BR72A223KA01#	111
	TAT VA	11.	33000pF	±10%	GRM21BR72A333KA01#	1-
	111	TIN	47000pF	±10%	GRM21BR72A473KA01#	W.
	W	NA .	68000pF	±10%	GRM21BR72A683KAC4#	75%
	17		V1300bi	±20%	GRM21BR72A683MAC4#	
		TIN	0.10µF	±10%	GRM21BR72A104KAC4#	W
		M 4.	υ. τυμε			
	E0\/-!-	VZD	47000-F	±20%	GRM21BR72A104MAC4#	NV
	50Vdc	X7R	47000pF	±10%	GRM21BR71H473KA01#	NT.
		1	68000pF	±10%	GRM21BR71H683KA01#	1
		1	0.10µF	±10%	GRM21BR71H104KA01#	
			WW	±20%	GRM21BR71H104MA01#	
			0.15µF	±10%	GRM21BR71H154KA01#	
			0.22µF	±10%	GRM21BR71H224KA01#	
			0.47µF	±10%	GRM21BR71H474KA88#	
		R	0.10µF	±10%	GRM21BR11H104KA01#	
				±20%	GRM21BR11H104MA01#	
		X5R	1.0µF	±10%	GRM21BR61H105KA12#	
		В	0.15µF	±10%	GRM21BB31H154KA88#	N
				±20%	GRM21BB31H154MA88#	KAI
			0.22µF	±10%	GRM21BB31H224KA88#	1
				±20%	GRM21BB31H224MA88#	TV
			0.47µF	±10%	GRM21BB31H474KA87#	
			υμι	±20%	GRM21BB31H474MA87#	-
			0.68µF	-	GRM21BB31H684KAC4#	W.
			υ.σομΓ	±10%		N. S.
			1.0	±20%	GRM21BB31H684MAC4#	M
			1.0µF	±10%	GRM21BB31H105KA12#	
				±20%	GRM21BB31H105MA12#	10.12

T max.	Rated Voltage	TC Code	Сар.	Tol.	Part Number	
1.35mm	25Vdc	R	0.15µF	±20%	GRM21BR11E154MA01#	
W.19	W 7.	X6S	4.7µF	±10%	GRM21BC81E475KA12#	
-11	001.	- 01	$I_{II}$	±20%	GRM21BC81E475MA12#	
$M_{Ms}$ .	A OOY	X5R	4.7µF	±10%	GRM21BR61E475KA12#	
WW	To	J.C	DIATE.	±20%	GRM21BR61E475MA12#	
- 1	N.100	В	2.2µF	±10%	GRM21BB31E225KA75#	
MAN	-x1 10	11.0	Low!	±20%	GRM21BB31E225MA75#	
WW	11	ooy.	4.7µF	±10%	GRM21BB31E475KA75#	
-17	MN.	0	CON	±20%	GRM21BB31E475MA75#	
111	16Vdc	X7R	2.2µF	±10%	GRM21BR71C225KA12#	
		100	N.C.	±20%	GRM21BR71C225MA12#	
4	NW	X5R	10µF	±10%	GRM21BR61C106KE15#	
		$M_{T_I}$	√√ C	±20%	GRM21BR61C106ME15#	
		В	10µF	±10%	GRM21BB31C106KE15#	
			1007	±20%	GRM21BB31C106ME15#	
1.4mm	100Vdc	X7R	0.47µF	±10%	GRM21BR72A474KA73#	
<b>«</b> 1	50Vdc	X5R	2.2µF	±10%	GRM21BR61H225KA73#	
la.		N	W.100	±20%	GRM21BR61H225MA73#	
W		W	4.7µF	±10%	GRM21BR61H475KE51#	
- XX			N. Mair	±20%	GRM21BR61H475ME51#	
		В	2.2µF	±10%	GRM21BB31H225KA73#	
LTV			ζΖμι	±20%	GRM21BB31H225MA73#	
T	N	4	4.7µF	±10%	GRM21BB31H475KE51#	
M·	XX		4.7μΓ	1.2	GRM21BB31H475ME51#	
M	2EV/do	X7R	1 OuE	±20%		
~7/	25Vdc	A/R	1.0µF	±10%	GRM21BR71E105KA99#	
$0_{h}$	TW		2.2µF	±10%	GRM21BR71E225KE11#	
COJ	1.1	J	4.75	±20%	GRM21BR71E225ME11#	Danier
	M.I.		4.7µF	±10%	GRM21BR71E475KA73#	Derating
Y.C	Tim	<u> </u>	1	±20%	GRM21BR71E475MA73#	Derating
V.C	Divis.	R	1.0µF	±10%	GRM21BR11E105KA99#	N
-7 (	OM.	X5R	10μF	±10%	GRM21BR61E106KA73#	AN.
001.	aoM	TV		±20%	GRM21BR61E106MA73#	- "
Your	Con	В	10μF	±10%	GRM21BB31E106KA73#	TV
10.	J.CO	11.		±20%	GRM21BB31E106MA73#	
1.100	16Vdc	X7R	4.7µF	±10%	GRM21BR71C475KA73#	7. 1
x1 10	01.0	_~1	TW	±20%	GRM21BR71C475MA73#	M.
///	nny.C	X6S	10μF	±10%	GRM21BC81C106KA73#	
111.7	00 -51	$CO_{\overline{D}}$	1	±20%	GRM21BC81C106MA73#	) M
TVV.	10Vdc	X7R	4.7µF	±10%	GRM21BR71A475KA73#	101
M	1005		TIM	±20%	GRM21BR71A475MA73#	
VIV	1.2	V.C	10µF	±10%	GRM21BR71A106KE51#	C
-111	M.Jn	=7 (	OM	±20%	GRM21BR71A106ME51#	J C
111.	T. I.	В	22µF	±20%	GRM21BB31A226ME51#	Derating
WY	6.3Vdc	X7R	10µF	±10%	GRM21BR70J106KE76#	01.
XX	WW.		$I.CO_{D}$	±20%	GRM21BR70J106ME76#	003
	WKK	X6S	22µF	±20%	GRM21BC80J226ME51#	Derating
	4Vdc	X7U	22µF	±20%	GRM21BE70G226ME51#	
	WW	X6S	22µF	±20%	GRM21BC80G226ME39#	
.45mm	250Vdc	X7R	10000pF	±10%	GRM21BR72E103KW03#	
	111	M.	15000pF	±10%	GRM21BR72E153KW03#	
	W		22000pF	±10%	GRM21BR72E223KW03#	
Į.	200Vdc	X7R	10000pF	±10%	GRM21BR72D103KW03#	
			15000pF	±10%	GRM21BR72D153KW03#	
		I	. JJJJJJ	0 /0		

T max.	Rated Voltage	TC Code	Сар.	Tol.	Part Number	NN TO
1.45mm	50Vdc	X7S	4.7µF	±10%	GRM21BC71H475KE11#	
				±20%	GRM21BC71H475ME11#	
OM.	IN	X6S	4.7µF	±10%	GRM21BC81H475KE11#	
	TIN			±20%	GRM21BC81H475ME11#	
	35Vdc	X7S	4.7µF	±10%	GRM21BC7YA475KE11#	
	TIM			±20%	GRM21BC7YA475ME11#	
	VTI	X6S	10μF	±10%	GRM21BC8YA106KE11#	Derating
	Mr.	W		±20%	GRM21BC8YA106ME11#	Derating
N.100 1007 1007 1009	$O_{M',I}$	X5R	10µF	±10%	GRM21BR6YA106KE43#	Derating
	.ovi	IM		±20%	GRM21BR6YA106ME43#	Derating
	25Vdc	X7S	4.7µF	±10%	GRM21BC71E475KE11#	LAN
	$CO_{N}$			±20%	GRM21BC71E475ME11#	T
	- CO	$M_{I,I}$	10µF	±10%	GRM21BC71E106KE11#	Derating
	Y	M		±20%	GRM21BC71E106ME11#	
	O.Y.C.	X6S	10µF	±10%	GRM21BC81E106KE11#	Derating
	00Y.C	$O_{N_{1}}$		±20%	GRM21BC81E106ME11#	Derating
		X5R	22µF	±20%	GRM21BR61E226ME44#	ON
	16Vdc	X7S	10µF	±10%	GRM21BC71C106KE11#	40
	- 100			±20%	GRM21BC71C106ME11#	
	1.10	X6S	22µF	±20%	GRM21BC81C226ME44#	Derating
	M.10	X5R	22µF	±20%	GRM21BR61C226ME44#	J (
	10Vdc	X7T	22µF	±20%	GRM21BD71A226ME44#	Derating
	1	X6S	22µF	±20%	GRM21BC81A226ME44#	01
	M.W.	X5R	22µF	±20%	GRM21BR61A226ME44#	00
	TXVV	700	47µF	±20%	GRM21BR61A476ME15#	Derating
	6.3Vdc	X7T	22µF	±20%	GRM21BD70J226ME44#	70
	MM	X5R	47µF	±20%	GRM21BR60J476ME15#	Derating
	WW	В	47µF	±20%	GRM21BB30J476ME15#	Derating
	4Vdc	X6S	47µF	±20%	GRM21BC80G476ME15#	Derating
	- W	X5R	47µF	±20%	GRM21BR60G476ME15#	
	V	В	47µF	±20%	GRM21BB30G476ME15#	

# ■ 3.2×1.6mm (WW)100

T max.	Rated Voltage	TC Code	Cap.	Tol.	Part Number	N.
0.95mm	35Vdc	X5R	10µF	±10%	GRM319R6YA106KA12#	Derating
			M	±20%	GRM319R6YA106MA12#	Derating
	25Vdc	R	0.33µF	±10%	GRM319R11E334KA01#	
-	16Vdc	X5R	10µF	±10%	GRM319R61C106KE15#	
			- 1	±20%	GRM319R61C106ME15#	
			22µF	±20%	GRM319R61C226ME15#	Derating
		В	10μF	±10%	GRM319B31C106KE15#	
				±20%	GRM319B31C106ME15#	N
			22µF	±20%	GRM319B31C226ME15#	Derating
	10Vdc	X5R	22µF	±20%	GRM319R61A226ME15#	1
		В	22µF	±20%	GRM319B31A226ME15#	IN
	6.3Vdc	X6S	22µF	±20%	GRM319C80J226ME15#	T
		X5R	22µF	±20%	GRM319R60J226ME15#	100
		В	22µF	±20%	GRM319B30J226ME15#	W.
1.0mm	630Vdc	X7R	1000pF	±10%	GRM31AR72J102KW01#	$\Lambda r_{c}$
			1500pF	±10%	GRM31AR72J152KW01#	U.
			2200pF	±10%	GRM31AR72J222KW01#	100
			3300pF	±10%	GRM31AR72J332KW01#	

T max.	Rated Voltage	TC Code	Сар.	Tol.	Part Number
1.0mm	630Vdc	X7R	4700pF	±10%	GRM31AR72J472KW01#
	JU -		6800pF	±10%	GRM31AR72J682KW01#
	00,1.		10000pF	±10%	GRM31AR72J103KW01#
1.25mm	1000Vdc	X7R	470pF	±10%	GRM31BR73A471KW01#
	.10	J.C	680pF	±10%	GRM31BR73A681KW01#
	N.100		1000pF	±10%	GRM31BR73A102KW01#
	-x1 10		1500pF	±10%	GRM31BR73A152KW01#
	11		2200pF	±10%	GRM31BR73A222KW01#
	NW.1		3300pF	±10%	GRM31BR73A332KW01#
	-TXN		4700pF	±10%	GRM31BR73A472KW01#
	630Vdc	X7R	6800pF	±10%	GRM31BR72J682KW01#
	250Vdc	X7R	15000pF	±10%	GRM31BR72E153KW01#
			22000pF	±10%	GRM31BR72E223KW01#
	1111		68000pF	±10%	GRM31BR72E683KW01#
	200Vdc	X7R	007	±10%	GRM31BR72D153KW01#
	200 V dC	A/II	15000pF	CUN	
			22000pF	±10%	GRM31BR72D223KW01#
	F6)()	V	68000pF	±10%	GRM31BR72D683KW01#
	50Vdc	X7R	0.47µF	±10%	GRM31MR71H474KA01#
			0.68µF	±10%	GRM31MR71H684KA88#
		W	1.0µF	±10%	GRM31MR71H105KA88#
		В	1.0µF	±10%	GRM31MB31H105KA87#
11.	25Vdc	X5R	10µF	±20%	GRM31MR61E106MA12#
1.3mm	100Vdc	X7R	0.47µF	±10%	GRM31MR72A474KA35#
	W		MM	±20%	GRM31MR72A474MA35#
	-XXI		0.68µF	±10%	GRM31MR72A684KA35#
1.8mm	1000Vdc	X7R	6800pF	±10%	GRM31CR73A682KW03#
	TW		10000pF	±10%	GRM31CR73A103KW03#
	630Vdc	X7R	15000pF	±10%	GRM31CR72J153KW03#
	Mr.		22000pF	±10%	GRM31CR72J223KW03#
	250Vdc	X7R	33000pF	±10%	GRM31CR72E333KW03#
	-31		47000pF	±10%	GRM31CR72E473KW03#
	OM.		0.10µF	±10%	GRM31CR72E104KW03#
	200Vdc	X7R	33000pF	±10%	GRM31CR72D333KW03#
	200 v dC	XIII	47000pF	±10%	GRM31CR72D473KW03#
	Y.Co.				N
	100)//	VZD	0.10µF	±10%	GRM31CR72D104KW03#
	100Vdc	X7R	1.0µF	±10%	GRM31CR72A105KA01#
	50Vdc	X7R	2.2µF	±10%	GRM31CR71H225KA88#
	and!		4.7µF	±10%	GRM31CR71H475KA12#
	100 -	-00	$M_{TT}$	±20%	GRM31CR71H475MA12#
	1 1003	X5R	10µF	±10%	GRM31CR61H106KA12#
	1.00	V.C	J. T.	±20%	GRM31CR61H106MA12#
	W.Inc	В	2.2µF	±10%	GRM31CB31H225KA87#
	W.10		Mon	±20%	GRM31CB31H225MA87#
	711		4.7µF	±10%	GRM31CB31H475KA12#
	$M_{M^{*}}$		$^{\text{V.CO}_{\text{D}}}$	±20%	GRM31CB31H475MA12#
	Win		10µF	±10%	GRM31CB31H106KA12#
	N. A.		01.0	±20%	GRM31CB31H106MA12#
	25Vdc	X7R	4.7µF	±10%	GRM31CR71E475KA88#
	ATAN	41.7	10µF	±10%	GRM31CR71E106KA12#
	M. A.		100,7.	±20%	GRM31CR71E106MA12#
	W	X5R	22µF	±20%	GRM31CR61E226ME15#
		В	10μF	±10%	GRM31CB31E106KA75#
	46111	\/==	22µF	±20%	GRM31CB31E226ME15#
	16Vdc	X7R	4.7µF	±20%	GRM31CR71C475MA01#

### (→ **■** 3.2×1.6mm)

T max.	Rated Voltage	TC Code	Cap.	Tol.	Part Number	N.
1.8mm	16Vdc	X6S	22µF	±20%	GRM31CC81C226ME15#	
		X5R	22µF	±20%	GRM31CR61C226ME15#	
		В	22µF	±20%	GRM31CB31C226ME15#	
	10Vdc	X7R	22µF	±20%	GRM31CR71A226ME15#	
		X5R	47µF	±20%	GRM31CR61A476ME15#	
	TIM	В	47µF	±20%	GRM31CB31A476ME15#	
100x 100x.C	6.3Vdc	X7R	22µF	±20%	GRM31CR70J226ME19#	
	IAT.	X7U	47µF	±20%	GRM31CE70J476ME15#	Derating
	$0_{M^*}$	X6S	47µF	±20%	GRM31CC80J476ME18#	N
	Mor	X5R	47µF	±20%	GRM31CR60J476ME19#	- 1
	00	В	47µF	±20%	GRM31CB30J476ME18#	LAN
	4Vdc	X7U	47µF	±20%	GRM31CE70G476ME15#	1
	67 CO	X6S	47µF	±20%	GRM31CC80G476ME19#	10.
.9mm	100Vdc	X7R	2.2µF	±10%	GRM31CR72A225KA73#	1.
	O.Y.C.	~ \	TW	±20%	GRM31CR72A225MA73#	M
	25Vdc	X6S	22µF	±20%	GRM31CC81E226ME11#	
	16Vdc	X7S	22µF	±20%	GRM31CC71C226ME11#	Oh
	6.3Vdc	X6T	100µF	±20%	GRM31CD80J107ME39#	Derating
	1100	X5R	100µF	±20%	GRM31CR60J107ME39#	
	4Vdc	X7U	100µF	±20%	GRM31CE70G107ME39#	Derating
	W.10.	X6T	100µF	±20%	GRM31CD80G107ME39#	J.C
	.T.V.1	X5R	100µF	±20%	GRM31CR60G107ME39#	
	1	COOL	220µF	±20%	GRM31CR60G227ME11#	Derating

- 0.2.2.0111111		3.2×2.5mm	
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T max.	Rated Voltage	TC Code	Сар.	Tol.	Part Number	N.19
1.5mm	1000Vdc	X7R	6800pF	±10%	GRM32QR73A682KW01#	W.
	- N		10000pF	±10%	GRM32QR73A103KW01#	
	630Vdc	X7R	22000pF	±10%	GRM32QR72J223KW01#	
	250Vdc	X7R	68000pF	±10%	GRM32QR72E683KW01#	W
			0.15µF	±10%	GRM32QR72E154KW01#	
	200Vdc	X7R	68000pF	±10%	GRM32QR72D683KW01#	
		W	0.15µF	±10%	GRM32QR72D154KW01#	W
1.8mm	100Vdc	X7R	1.0µF	±10%	GRM32CR72A105KA35#	V
			TVVV	±20%	GRM32CR72A105MA35#	
2.0mm	1000Vdc	X7R	15000pF	±10%	GRM32DR73A153KW01#	
			22000pF	±10%	GRM32DR73A223KW01#	
	630Vdc	X7R	33000pF	±10%	GRM32DR72J333KW01#	
			47000pF	±10%	GRM32DR72J473KW01#	
	250Vdc X	X7R	0.10µF	±10%	GRM32DR72E104KW01#	
			0.22µF	±10%	GRM32DR72E224KW01#	
	200Vdc	c X7R	0.10µF	±10%	GRM32DR72D104KW01#	N
			0.22µF	±10%	GRM32DR72D224KW01#	KN
2.2mm	25Vdc	X7R	10μF	±10%	GRM32DR71E106KA12#	
2.7mm	100Vdc	X7R	2.2µF	±10%	GRM32ER72A225KA35#	IN
				±20%	GRM32ER72A225MA35#	T
	80Vdc	X7R	4.7µF	±10%	GRM32ER71K475KE14#	Derating
				±20%	GRM32ER71K475ME14#	Derating
	63Vdc	X7R	10μF	±10%	GRM32ER71J106KA12#	Derating
				±20%	GRM32ER71J106MA12#	Derating
	50Vdc	X7R	4.7µF	±10%	GRM32ER71H475KA88#	Oz
			10µF	±10%	GRM32ER71H106KA12#	

T max.	Rated Voltage	TC Code	Cap.	Tol.	Part Number	
2.7mm	50Vdc	X7R	10µF	±20%	GRM32ER71H106MA12#	
	JV 2-7 (	X5R	10µF	±10%	GRM32ER61H106KA12#	
	00%.	a01		±20%	GRM32ER61H106MA12#	
	1001	В	10µF	±10%	GRM32EB31H106KA12#	
	.70	V.C		±20%	GRM32EB31H106MA12#	
	35Vdc	X7R	10µF	±10%	GRM32ER7YA106KA12#	
	xx 10	11.		±20%	GRM32ER7YA106MA12#	
	1	X5R	10µF	±10%	GRM32ER6YA106KA12#	
	$M_{M^{-1}}$	~ ~ ~		±20%	GRM32ER6YA106MA12#	
	WW	В	10µF	±10%	GRM32EB3YA106KA12#	
		1.100		±20%	GRM32EB3YA106MA12#	
	25Vdc	X7R	22µF	±20%	GRM32ER71E226ME15#	
	WW	X5R	22µF	±20%	GRM32ER61E226ME15#	
		В	22µF	±20%	GRM32EB31E226ME15#	
	16Vdc	X7R	22µF	±20%	GRM32ER71C226MEA8#	
		X6S	47µF	±20%	GRM32EC81C476ME15#	Derating
		X5R	47µF	±20%	GRM32ER61C476ME15#	
		В	47µF	±20%	GRM32EB31C476ME15#	
	10Vdc	X7R	47µF	±20%	GRM32ER71A476ME15#	
		X5R	47µF	±20%	GRM32ER61A476ME20#	
		1	100µF	±20%	GRM32ER61A107ME20#	Derating
	«1	В	47µF	±20%	GRM32EB31A476ME20#	
	6.3Vdc	X7R	47µF	±20%	GRM32ER70J476ME20#	
	W	X7U	100µF	±20%	GRM32EE70J107ME15#	Derating
	OW	X5R	100µF	±20%	GRM32ER60J107ME20#	
	T V	В	100µF	±20%	GRM32EB30J107ME16#	
	4Vdc	X7U	100µF	±20%	GRM32EE70G107ME19#	

### ■ 4.5×3.2mm

T max.	. Hatou		Сар.	Tol.	Part Number	W
1.5mm	630Vdc	X7R	68000pF	±10%	GRM43QR72J683KW01#	TV
	250Vdc	X7R	0.15µF	±10%	GRM43QR72E154KW01#	
	200Vdc	X7R	0.15µF	±10%	GRM43QR72D154KW01#	1.1
2.0mm	1000Vdc	X7R	33000pF	±10%	GRM43DR73A333KW01#	1.
	L.v.C	$O_{M}$	47000pF	±10%	GRM43DR73A473KW01#	T. A.
	630Vdc	X7R	0.10µF	±10%	GRM43DR72J104KW01#	$\mathcal{I}_{M_I}$
	250Vdc	X7R	0.22µF	±10%	GRM43DR72E224KW01#	101
	1005	CO	0.33µF	±10%	GRM43DR72E334KW01#	
	1.10	V.C	0.47µF	±10%	GRM43DR72E474KW01#	Cc
	200Vdc	X7R	0.22µF	±10%	GRM43DR72D224KW01#	ı C
	XX 10	01.	0.33µF	±10%	GRM43DR72D334KW01#	3-1
	1	OOY	0.47µF	±10%	GRM43DR72D474KW01#	11.

T max.	Rated Voltage	TC Code	Cap.	Tol.	Part Number
2.0mm	1000Vdc	X7R	68000pF	±10%	GRM55DR73A683KW01#
			0.10µF	±10%	GRM55DR73A104KW01#
	630Vdc	X7R	0.15µF	±10%	GRM55DR72J154KW01#
			0.22µF	±10%	GRM55DR72J224KW01#
	250Vdc	X7R	0.33µF	±10%	GRM55DR72E334KW01#

### (→ **■** 5.7×5.0mm)

T max.	Rated Voltage	TC Code	Cap.	Tol.	Part Number	
2.0mm	250Vdc	X7R	0.47µF	±10%	GRM55DR72E474KW01#	MW.100 V.CC
			0.68µF	±10%	GRM55DR72E684KW01#	- 100 r
	W		1.0µF	±10%	GRM55DR72E105KW01#	-WW. 1001.C
	200Vdc	X7R	0.33µF	±10%	GRM55DR72D334KW01#	MAN TOOX
	- 1		0.47µF	±10%	GRM55DR72D474KW01#	- XXXXX.10°
	LTW		0.68µF	±10%	GRM55DR72D684KW01#	- W
	TT	N	1.0µF	±10%	GRM55DR72D105KW01#	= WW 100

High Frequency High Q Type 1005(in mm)/0402(in inch) Size Max.

## **GJM Series**



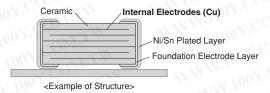


This product improves the high frequency characteristics and contributes to a reduction of power consumption by the High Q and low ESR.

### **Features**

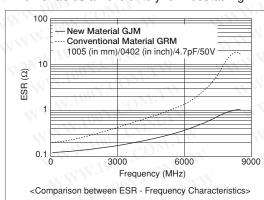
1 Mainly ideal for mobile communication devices and temperature compensation of related modules.

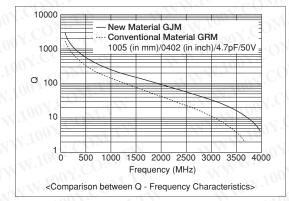
This product is ideal for temperature compensation of high frequency circuits, such as resonant circuits, tuning circuits, and impedance matching circuits where the operating characteristics of the device are greatly affected by the capacitance fluctuation.



## 2 High Q and low ESR in VHF, UHF and microwave frequency bands.

High Q and low ESR were achieved at a high frequency by adopting ceramic material as the dielectric material which enables an extremely low loss at high frequency, and base metal electrodes as the internal electrodes.





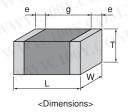
## 3 Can be used for tight tolerance.

In addition to standard tolerance, the allowable range of this product is also suitable for the following tight tolerance.

Capacitance Range	Standard Capacitance Tolerance (Capacitance Tolerance Symbol)	Narrow Capacitance Tolerance (Capacitance Tolerance Symbol)			
<=0.9pF	±0.1pF (B)	±0.05pF (W)			
1.0 to 5.0pF	±0.25pF (C)	±0.05pF (W), ±0.1pF (B)			
5.1 to 9.9pF	±0.5pF (D)	±0.05pF (W), ±0.1pF (B), ±0.25pF (C)			
>=10pF	±5% (J)	±2% (G)			

### Specifications

	TAIN TO CUPT AND
Size	0.4×0.2mm to 1.0×0.5mm
Rated Voltage	DC6.3V to 50V
Capacitance	0.1pF to 47pF
Main Applications	Small communication devices, such as mobile phones and high frequency communication modules



Please refer to the capacitor search tool on the Murata Web site for details.

This catalog contains only a portion of the product lineup.

T max.	Rated Voltage	TC Code	Cap.	Tol.	Part Number	4
0.22mm	25Vdc	COG	0.20pF	±0.05pF	GJM0225C1ER20WB01#	
				±0.1pF	GJM0225C1ER20BB01#	
coM	. 1		0.30pF	±0.05pF	GJM0225C1ER30WB01#	
	LIV			±0.1pF	GJM0225C1ER30BB01#	
		N	0.40pF	±0.05pF	GJM0225C1ER40WB01#	
	Mr.	W		±0.1pF	GJM0225C1ER40BB01#	
	$0_{M^*}$	· · · · · · · · · · · · · · · · · · ·	0.50pF	±0.05pF	GJM0225C1ER50WB01#	N
		LA		±0.1pF	GJM0225C1ER50BB01#	- 1
00X.		VI	0.60pF	±0.05pF	GJM0225C1ER60WB01#	LA
· ooV			N	±0.1pF	GJM0225C1ER60BB01#	T
	c (O	1.	0.70pF	±0.05pF	GJM0225C1ER70WB01#	
		W	. 4	±0.1pF	GJM0225C1ER70BB01#	1
	O.Y.C.	~ 1/	0.80pF	±0.05pF	GJM0225C1ER80WB01#	M
		$O_{M}$		±0.1pF	GJM0225C1ER80BB01#	12.
$\sqrt{N}$ .	<b>1</b> 00 -	$CO_{J}$	0.90pF	±0.05pF	GJM0225C1ER90WB01#	Oz
	$^{700x}$			±0.1pF	GJM0225C1ER90BB01#	40
	100	1.00	1.0pF	±0.05pF	GJM0225C1E1R0WB01#	
	1.10	V.C		±0.1pF	GJM0225C1E1R0BB01#	J.C
	$W_{10}$	_7 (		±0.25pF	GJM0225C1E1R0CB01#	J (
		00x.	1.1pF	±0.05pF	GJM0225C1E1R1WB01#	
W	M. M. C.	COOL		±0.1pF	GJM0225C1E1R1BB01#	01
		70		±0.25pF	GJM0225C1E1R1CB01#	00
		700	1.2pF	±0.05pF	GJM0225C1E1R2WB01#	000
		x 10		±0.1pF	GJM0225C1E1R2BB01#	10
		1		±0.25pF	GJM0225C1E1R2CB01#	11
		W.,	1.3pF	±0.05pF	GJM0225C1E1R3WB01#	4-
		WW		±0.1pF	GJM0225C1E1R3BB01#	W
				±0.25pF	GJM0225C1E1R3CB01#	
			1.4pF	±0.05pF	GJM0225C1E1R4WB01#	
		XIVI	11.10	±0.1pF	GJM0225C1E1R4BB01#	W
				±0.25pF	GJM0225C1E1R4CB01#	
		11/1	1.5pF	±0.05pF	GJM0225C1E1R5WB01#	
		W	M. M.	±0.1pF	GJM0225C1E1R5BB01#	W
				±0.25pF	CONTRACT	
			1.6pF	±0.05pF	GJM0225C1E1R6WB01#	
			MAG	±0.1pF	GJM0225C1E1R6BB01#	
				±0.25pF	V CUE AND	
			1.7pF	±0.05pF		
				±0.1pF	GJM0225C1E1R7BB01#	
				±0.25pF	1.00	
			1.8pF	±0.05pF		
				±0.1pF	GJM0225C1E1R8BB01#	N
				±0.25pF	GJM0225C1E1R8CB01#	
			1.9pF	±0.05pF	GJM0225C1E1R9WB01#	
			1.501	±0.05pi	GJM0225C1E1R9BB01#	17
				±0.1pF		-
			2.0pF	1	33 100	1.7
			2.UPF	±0.05pF	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	M.
				±0.1pF	GJM0225C1E2R0BB01#	A.s.
			0.1	±0.25pF	GJM0225C1E2R0CB01#	M
			2.1pF	±0.05pF	GJM0225C1E2R1WB01#	
		1		±0.1pF	GJM0225C1E2R1BB01#	1

T ax.	Rated Voltage	TC Code	Сар.	Tol.	Part Number
mm	25Vdc	COG	2.2pF	±0.05pF	GJM0225C1E2R2WB01#
	JU 27 (	CO		±0.1pF	GJM0225C1E2R2BB01#
	100%	407		±0.25pF	GJM0225C1E2R2CB01#
	100X	Co	2.3pF	±0.05pF	GJM0225C1E2R3WB01#
	.70	J.CQ		±0.1pF	GJM0225C1E2R3BB01#
	N.100	-7 (		±0.25pF	GJM0225C1E2R3CB01#
	-x 10	01.	2.4pF	±0.05pF	GJM0225C1E2R4WB01#
	1	ooy.		±0.1pF	GJM0225C1E2R4BB01#
	$MM^{-1}$	0		±0.25pF	GJM0225C1E2R4CB01#
	-XIVI	700	2.5pF	±0.05pF	GJM0225C1E2R5WB01#
	111	1 100		±0.1pF	GJM0225C1E2R5BB01#
	WWW	10.2		±0.25pF	GJM0225C1E2R5CB01#
	- TVV	11.77	2.6pF	±0.05pF	
	N	TVV.1	00 1.	±0.1pF	GJM0225C1E2R6BB01#
	W			±0.25pF	GJM0225C1E2R6CB01#
	W	WW	2.7pF	±0.05pF	
			1.700	±0.1pF	GJM0225C1E2R7BB01#
				±0.25pF	
		WW	2.8pF	±0.05pF	- 17 11
		TNY	Liopi	±0.1pF	GJM0225C1E2R8BB01#
				±0.25pF	
	1	1	2.9pF	±0.05pF	
	N	1	2.3pi	±0.03pi	GJM0225C1E2R9BB01#
	XXI			±0.25pF	V CUV
			3.0pF	±0.05pF	
	TW		3.0pi	±0.03pi	GJM0225C1E3R0BB01#
	WT			±0.25pF	
	1	I.	3.1pF	±0.05pF	Total Control
	M.F.		5. ipi	±0.05pi	GJM0225C1E3R1BB01#
	TIME	M		±0.25pF	1001.
	ON-	W	3.2pF	11/1/	
	$\mathbb{C}O_{MT}$ .		3.2pr	±0.05pF	William Co.
	CON	1.7		±0.1pF	GJM0225C1E3R2BB01#
		AT	2.25	±0.25pF	3 1110 2
	K.CO		3.3pF	±0.05pF	
	V CC	Mr.		±0.1pF	GJM0225C1E3R3BB01#
	01.	MO	2.4.5	±0.25pF	
	00 X.C		3.4pF	±0.05pF	A
	. Voo.	$C_{\Omega_{R}}$		±0.1pF	GJM0225C1E3R4BB01#
	700	CO	M. r	±0.25pF	
	1700		3.5pF	±0.05pF	
	100	Y.C		±0.1pF	GJM0225C1E3R5BB01#
	11.10	V.	Ohr.	±0.25pF	GJM0225C1E3R5CB01#
	W.11	JU = 7	3.6pF	±0.05pF	GJM0225C1E3R6WB01#
	1	001		±0.1pF	GJM0225C1E3R6BB01#
	M. M.	400	I.Co.	±0.25pF	GJM0225C1E3R6CB01#
	WW	To	3.7pF	±0.05pF	GJM0225C1E3R7WB01#
		1.10		±0.1pF	GJM0225C1E3R7BB01#
	MAN	x1 1	101.C	±0.25pF	GJM0225C1E3R7CB01#
	WW	M.	3.8pF	±0.05pF	GJM0225C1E3R8WB01#
		NW.		±0.1pF	GJM0225C1E3R8BB01#
	W			±0.25pF	GJM0225C1E3R8CB01#
			3.9pF	±0.05pF	GJM0225C1E3R9WB01#
				±0.1pF	GJM0225C1E3R9BB01#
				±0.1pF	GJM0225C1E3R9CB01#

# GJM Series

es GJM S

GMD Series GMA Series

GQM Series (

GR3 Series | GRJ Series

KR3 Series KRM Series

# GJM Series Temperature Compensating Type Part Number List

(→ **■** 0.4×0.2mm)

25Vdc	COG	4.0pF	4 1 1 1 1				Voltage				
			±0.05pF	GJM0225C1E4R0WB01#		0.22mm	25Vdc	COG	5.6pF	±0.1pF	GJM0225C1E5R6BB01#
	İ		±0.1pF	GJM0225C1E4R0BB01#			JU 1	MO.		±0.25pF	GJM0225C1E5R6CB01#
			±0.25pF	GJM0225C1E4R0CB01#			00,7.	-01		±0.5pF	GJM0225C1E5R6DB01#
		4.1pF	±0.05pF	GJM0225C1E4R1WB01#			1007	CO	5.7pF	±0.05pF	GJM0225C1E5R7WB01#
			±0.1pF	GJM0225C1E4R1BB01#				J.CC		±0.1pF	GJM0225C1E5R7BB01#
			±0.25pF	GJM0225C1E4R1CB01#			N.100			±0.25pF	GJM0225C1E5R7CB01#
	N	4.2pF	±0.05pF	GJM0225C1E4R2WB01#			W.10	01.		±0.5pF	GJM0225C1E5R7DB01#
	N		±0.1pF	GJM0225C1E4R2BB01#			I .	~ (1) W .	5.8pF	±0.05pF	GJM0225C1E5R8WB01#
	- «1		±0.25pF	GJM0225C1E4R2CB01#	181		NW.1			±0.1pF	GJM0225C1E5R8BB01#
	$\mathcal{I}_M$	4.3pF	±0.05pF	GJM0225C1E4R3WB01#	1		WW	700,		±0.25pF	GJM0225C1E5R8CB01#
	TV		±0.1pF	GJM0225C1E4R3BB01#	M			- 1 III		±0.5pF	GJM0225C1E5R8DB01#
	7 · ·		±0.25pF	GJM0225C1E4R3CB01#			NW	10.2	5.9pF	±0.05pF	GJM0225C1E5R9WB01#
	$V_{IJ}$	4.4pF	- 4	GJM0225C1E4R4WB01#				11.77	√√ (		GJM0225C1E5R9BB01#
	717	I.M.	-	100	1.1			- 1			GJM0225C1E5R9CB01#
	) Mr.						WY	N N N			GJM0225C1E5R9DB01#
	$O_{M}$	4.5nF	-		17.		₹XĬ	WW	6.0nF	CUN	GJM0225C1E6R0WB01#
		1.001	-	3 100	OM				0.001		GJM0225C1E6R0BB01#
			-	The same of the sa				N.A.		-	GJM0225C1E6R0CB01#
	$_{I}$ . $\mathbb{C}^{\mathbb{Q}}$	4.6pF	181		COL			WW		my.	GJM0225C1E6R0DB01#
	-7 (	4.001			(0			***	6 1pE	- < i C	GJM0225C1E6R1WB01#
	7.			- X 100					6.1pr	- 10	
	ov.	4.75	4.		1			1		1110	GJM0225C1E6R1BB01#
	, osi	4.7pF	-XXI		N.		N	4		- 00	GJM0225C1E6R1CB01#
	$r_{0\alpha}$		1		¥7		- XI		00.5		GJM0225C1E6R1DB01#
	100	10-5		1	007				6.2pF	- 1 - 1 · 1 · 1 · 1	GJM0225C1E6R2WB01#
	4.0	4.8pF		N N	100		TW				GJM0225C1E6R2BB01#
	11.70		J	ST STAN	120		TW.			A	GJM0225C1E6R2CB01#
	W.1	00 2.	10/1/20		110		1.1	1.1	11	THE NAME OF	GJM0225C1E6R2DB01#
		4.9pF			011		M.T.Y	1	6.3pF		GJM0225C1E6R3WB01#
	MAN			TW W	1111		TIL	M			GJM0225C1E6R3BB01#
		1.100		-31	W.		-	N		±0.25pF	GJM0225C1E6R3CB01#
		5.0pF	±0.05pF	GJM0225C1E5R0WB01#			·MOM.	1		±0.5pF	GJM0225C1E6R3DB01#
	WW		±0.1pF	GJM0225C1E5R0BB01#				TW	6.4pF	±0.05pF	GJM0225C1E6R4WB01#
	111	111.7	±0.25pF	GJM0225C1E5R0CB01#	W		COR	T		±0.1pF	GJM0225C1E6R4BB01#
		5.1pF	±0.05pF	GJM0225C1E5R1WB01#			J CO	11.		±0.25pF	GJM0225C1E6R4CB01#
			±0.1pF	GJM0225C1E5R1BB01#	111.			M.		±0.5pF	GJM0225C1E6R4DB01#
	1		±0.25pF	GJM0225C1E5R1CB01#	W		21.0		6.5pF	±0.05pF	GJM0225C1E6R5WB01#
			±0.5pF	GJM0225C1E5R1DB01#			O.Y.C	Or		±0.1pF	GJM0225C1E6R5BB01#
		5.2pF	±0.05pF	GJM0225C1E5R2WB01#				$CO_{\overline{D}}$		±0.25pF	GJM0225C1E6R5CB01#
			±0.1pF	GJM0225C1E5R2BB01#			100x	<u></u>	$M_{IJ}$	±0.5pF	GJM0225C1E6R5DB01#
			±0.25pF	GJM0225C1E5R2CB01#			1005		6.6pF	±0.05pF	GJM0225C1E6R6WB01#
			±0.5pF	GJM0225C1E5R2DB01#			1	46.7 W. 7		±0.1pF	GJM0225C1E6R6BB01#
		5.3pF	±0.05pF	GJM0225C1E5R3WB01#			W.100	- T		±0.25pF	GJM0225C1E6R6CB01#
			±0.1pF	GJM0225C1E5R3BB01#			W 10	01.		±0.5pF	GJM0225C1E6R6DB01#
			±0.25pF	GJM0225C1E5R3CB01#	N			001	6.7pF	±0.05pF	GJM0225C1E6R7WB01#
			±0.5pF	GJM0225C1E5R3DB01#	KN.		M.			±0.1pF	GJM0225C1E6R7BB01#
		5.4pF	±0.05pF	GJM0225C1E5R4WB01#			TAX W	700		±0.25pF	GJM0225C1E6R7CB01#
			±0.1pF	GJM0225C1E5R4BB01#	LIN			L ( 1 1 1 1 1 1		±0.5pF	GJM0225C1E6R7DB01#
			±0.25pF	GJM0225C1E5R4CB01#	TV		MM)	10-	6.8pF	±0.05pF	GJM0225C1E6R8WB01#
			- 1	GJM0225C1E5R4DB01#					00 -	±0.1pF	GJM0225C1E6R8BB01#
		5.5pF	±0.05pF	GJM0225C1E5R5WB01#	V.T			W.		±0.25pF	GJM0225C1E6R8CB01#
		•	±0.1pF	GJM0225C1E5R5BB01#	17.1		W	Maria.		±0.5pF	GJM0225C1E6R8DB01#
			-		Divis.				6.9pF	· ·	GJM0225C1E6R9WB01#
			-	11 100	ON					- · · -	GJM0225C1E6R9BB01#
		5.6pF	±0.05pF	- 100 x-1						±0.25pF	
		MA. MA. MA. MA. MA. MA. MA. MA. TOO, M	4.4pF  4.5pF  4.6pF  4.7pF  4.8pF  5.0pF  5.1pF  5.2pF	#0.1pF #0.25pF #0.05pF #0.1pF #0.25pF #0.5pF #0.1pF #0.25pF #0.5pF #0.1pF #0.25pF #0.5pF	#0.1pF GJM0225C1E4R3B801# #0.25pF GJM0225C1E4R4W801# #0.1pF GJM0225C1E4R4W801# #0.25pF GJM0225C1E4R4B801# #0.1pF GJM0225C1E4R5B801# #0.25pF GJM0225C1E4R5B801# #0.25pF GJM0225C1E4R5B801# #0.25pF GJM0225C1E4R6W801# #0.1pF GJM0225C1E4R6W801# #0.25pF GJM0225C1E4R6B801# #0.25pF GJM0225C1E4R6B801# #0.25pF GJM0225C1E4R6B801# #0.25pF GJM0225C1E4R7B801# #0.25pF GJM0225C1E4R7B801# #0.25pF GJM0225C1E4R8B801# #0.25pF GJM0225C1E4R8B801# #0.25pF GJM0225C1E4R8B801# #0.25pF GJM0225C1E4R8B801# #0.25pF GJM0225C1E4R9B801# #0.25pF GJM0225C1E4R9B801# #0.25pF GJM0225C1E4R9B801# #0.25pF GJM0225C1E5R0B801# #0.25pF GJM0225C1E5R0B801# #0.25pF GJM0225C1E5R1B801# #0.25pF GJM0225C1E5R1B801# #0.25pF GJM0225C1E5R1B801# #0.25pF GJM0225C1E5R1B801# #0.25pF GJM0225C1E5R1B801# #0.5pF GJM0225C1E5R2B801# #0.5pF GJM0225C1E5R3B801# #0.5pF GJM0225C1E5R3B801# #0.5pF GJM0225C1E5R3B801# #0.5pF GJM0225C1E5R3B801# #0.5pF GJM0225C1E5R3B801# #0.5pF GJM0225C1E5R3B801# #0.5pF GJM0225C1E5R3B801# #0.5pF GJM0225C1E5R3B801# #0.5pF GJM0225C1E5R3B801# #0.5pF GJM0225C1E5R3B801# #0.5pF GJM0225C1E5R4W801# #0.5pF GJM0225C1E5R4W801# #0.5pF GJM0225C1E5R4W801# #0.5pF GJM0225C1E5R4B801# #0.5pF GJM0225C1E5R4B801# #0.5pF GJM0225C1E5R4B801# #0.5pF GJM0225C1E5R3B801# #0.5pF GJM0225C1E5R4W801# #0.5pF GJM0225C1E5R4W801# #0.5pF GJM0225C1E5R4B801# #0.5pF GJM0225C1E5R4B801# #0.5pF GJM0225C1E5R3B801# #0.5pF GJM0225C1E5R3B801# #0.5pF GJM0225C1E5R3B801# #0.5pF GJM0225C1E5R3B801# #0.5pF GJM0225C1E5R3B801# #0.5pF GJM0225C1E5R3B801# #0.5pF GJM0225C1E5R3B801# #0.5pF GJM0225C1E5R3B801# #0.5pF GJM0225C1E5R3B801# #0.5pF GJM0225C1E5R3B801# #0.5pF GJM0225C1E5R5B801# #0.5pF GJM0225C1E5R5B801# #0.5pF GJM0225C1E5R5B801# #0.5pF GJM0225C1E5R5B801# #0.5pF GJM0225C1E5R5B801# #0.5pF GJM0225C1E5R5B801# #0.5pF GJM0225C1E5R5B801# #0.5pF GJM0225C1E5R5B801# #0.5pF GJM0225C1E5R5B801# #0.5pF GJM0225C1E5R5B801# #0.5pF GJM0225C1E5R5B801#	#0.25pF GJM0225C1E4R3B01# #0.25pF GJM0225C1E4R4W01# #0.25pF GJM0225C1E4R4W01# #0.25pF GJM0225C1E4R4W01# #0.25pF GJM0225C1E4R5W01# #0.25pF GJM0225C1E4R5W01# #0.25pF GJM0225C1E4R5W01# #0.25pF GJM0225C1E4R5W01# #0.25pF GJM0225C1E4R6W01# #0.25pF GJM0225C1E4R6W01# #0.25pF GJM0225C1E4R6W01# #0.25pF GJM0225C1E4R6W01# #0.25pF GJM0225C1E4R6W01# #0.25pF GJM0225C1E4R6W01# #0.25pF GJM0225C1E4R7W001# #0.25pF GJM0225C1E4R7W001# #0.25pF GJM0225C1E4R7W001# #0.25pF GJM0225C1E4R8W001# #0.25pF GJM0225C1E4R8W001# #0.25pF GJM0225C1E4R8W001# #0.25pF GJM0225C1E4R8W001# #0.25pF GJM0225C1E4R8B001# #0.25pF GJM0225C1E4R9W001# #0.25pF GJM0225C1E4R9W001# #0.25pF GJM0225C1E4R9W001# #0.25pF GJM0225C1E5R0W001# #0.25pF GJM0225C1E5R0W001# #0.25pF GJM0225C1E5R0W001# #0.25pF GJM0225C1E5R0W001# #0.25pF GJM0225C1E5R0W001# #0.25pF GJM0225C1E5R1B01# #0.25pF GJM0225C1E5R1B01# #0.25pF GJM0225C1E5R2W001# #0.5pF GJM0225C1E5R2W001# #0.5pF GJM0225C1E5R2W001# #0.5pF GJM0225C1E5R2W001# #0.5pF GJM0225C1E5R3W001# #0.5pF GJM0225C1E5R5W001# #0.5pF GJM0225C1E5R5W001# #0.5pF GJM0225C1E5R5W001# #0.5pF GJM0225C1E5R5W001# #0.5pF GJM0225C1E5R5W001# #0.5pF GJM0225C1E5R5W001# #0.5pF GJM0225C1E5R5W001# #0.5pF GJM0225C1E5R5W001# #0.5pF GJM0225C1E5R5W001# #0.5pF GJM0225C1E5R5W001# #0.5pF GJM0225C1E5R5W001# #0.5pF GJM0225C1E5R5W001# #0.5pF GJM0225C1E5R5C001#	#0.15pF GJM0225C1E4R3BB01# #0.25pF GJM0225C1E4R4WB01# #0.15pF GJM0225C1E4R4WB01# #0.25pF GJM0225C1E4R4WB01# #0.25pF GJM0225C1E4R4WB01# #0.25pF GJM0225C1E4R5WB01# #0.25pF GJM0225C1E4R5WB01# #0.25pF GJM0225C1E4R6WB01# #0.05pF GJM0225C1E4R6WB01# #0.05pF GJM0225C1E4R6WB01# #0.05pF GJM0225C1E4R6WB01# #0.05pF GJM0225C1E4R6WB01# #0.25pF GJM0225C1E4R6WB01# #0.25pF GJM0225C1E4R7WB01# #0.25pF GJM0225C1E4R8B01# #0.25pF GJM0225C1E4R8B01# #0.25pF GJM0225C1E4R8B01# #0.25pF GJM0225C1E4R8B01# #0.25pF GJM0225C1E4R8B01# #0.25pF GJM0225C1E4R8B01# #0.25pF GJM0225C1E4R9B01# #0.05pF GJM0225C1E4R9B01# #0.25pF GJM0225C1E4R9B01# #0.25pF GJM0225C1E5R0WB01# #0.15pF GJM0225C1E5R0WB01# #0.25pF GJM0225C1E5R0WB01# #0.25pF GJM0225C1E5R0B01# #0.25pF GJM0225C1E5R0B01# #0.25pF GJM0225C1E5R0B01# #0.25pF GJM0225C1E5R1B01# #0.25pF GJM0225C1E5R1B01# #0.25pF GJM0225C1E5R2B01# #0.5pF GJM0225C1E5R2B01# #0.5pF GJM0225C1E5R2B01# #0.5pF GJM0225C1E5R3B01# #0.25pF GJM0225C1E5R3B01# #0.25pF GJM0225C1E5R3B01# #0.25pF GJM0225C1E5R3B01# #0.25pF GJM0225C1E5R3B01# #0.25pF GJM0225C1E5R3B01# #0.25pF GJM0225C1E5R3B01# #0.25pF GJM0225C1E5R3B01# #0.25pF GJM0225C1E5R3B01# #0.25pF GJM0225C1E5R3B01# #0.25pF GJM0225C1E5R3B01# #0.25pF GJM0225C1E5R3B01# #0.25pF GJM0225C1E5R3B01# #0.25pF GJM0225C1E5R4B001# #0.5pF GJM0225C1E5R5CB001#	#0.1pF	### ### ##############################	#0.15P GJM0225C1E4R3B01#  #0.25pF GJM0225C1E4R3C801#  #0.15P GJM0225C1E4R4B801#  #0.25pF GJM0225C1E4R4C801#  #0.15P GJM0225C1E4R3C801#  #0.15P GJM0225C1E4R3C801#  #0.15P GJM0225C1E4R3C801#  #0.15P GJM0225C1E4R3C801#  #0.15P GJM0225C1E4R3C801#  #0.15P GJM0225C1E4R3C801#  #0.15P GJM0225C1E4R3C801#  #0.15P GJM0225C1E4R3C801#  #0.15P GJM0225C1E4R3C801#  #0.15P GJM0225C1E4R3C801#  #0.25pF GJM0225C1E4R3C801#  #0.15P GJM0225C1E4R3C801#  #0.15P GJM0225C1E4R3C801#  #0.15P GJM0225C1E4R3C801#  #0.15P GJM0225C1E4R3C801#  #0.15P GJM0225C1E4R3C801#  #0.15P GJM0225C1E4R3C801#  #0.15P GJM0225C1E4R3C801#  #0.15P GJM0225C1E4R3C801#  #0.25pF GJM0225C1E4R3C801#  #0.25pF GJM0225C1E4R3C801#  #0.25pF GJM0225C1E4R3C801#  #0.25pF GJM0225C1E4R3C801#  #0.25pF GJM0225C1E4R3C801#  #0.25pF GJM0225C1E4R3C801#  #0.25pF GJM0225C1E5R0C801#  #0.15pF GJM0225C1E5R0C801#  #0.15pF GJM0225C1E5R0C801#  #0.15pF GJM0225C1E5R0C801#  #0.15pF GJM0225C1E5R1C801#  #0.25pF GJM0225C1E5R1C801#  #0.25pF GJM0225C1E5R1C801#  #0.25pF GJM0225C1E5R3C8	10.5pF   GJM0225C1E4R3B01#   5.9pF   20.5pF

(→ **■** 0.4×0.2mm)

T max.	Rated Voltage	TC Code	Сар.	Tol.	Part Number		T max.	Rated Voltage	TC Code	Сар.	Tol.	Part Number
22mm	25Vdc	COG	6.9pF	±0.5pF	GJM0225C1E6R9DB01#		0.22mm	25Vdc	COG	8.3pF	±0.1pF	GJM0225C1E8R3BB01#
			7.0pF	±0.05pF	GJM0225C1E7R0WB01#			JU = -7 (	ON		±0.25pF	GJM0225C1E8R3CB01#
	W			±0.1pF	GJM0225C1E7R0BB01#			00%		V.I.M	±0.5pF	GJM0225C1E8R3DB01#
	TW			±0.25pF	GJM0225C1E7R0CB01#	4		1007	Co	8.4pF	±0.05pF	GJM0225C1E8R4WB01#
	. 1			±0.5pF	GJM0225C1E7R0DB01#			0.7	J.C	DIAT.	±0.1pF	GJM0225C1E8R4BB01#
	LTW		7.1pF	±0.05pF	GJM0225C1E7R1WB01#			N.100	-7 (	$O_{M',j}$	±0.25pF	GJM0225C1E8R4CB01#
		N		±0.1pF	GJM0225C1E7R1BB01#			× 10	01.	Mo	±0.5pF	GJM0225C1E8R4DB01#
	Mr.	N		±0.25pF	GJM0225C1E7R1CB01#			111.	MY.	8.5pF	±0.05pF	GJM0225C1E8R5WB01#
	$0_{M,j}$	- 41		±0.5pF	GJM0225C1E7R1DB01#	XI		$NN^{-1}$	0.5	$^{1}CO_{D}$	±0.1pF	GJM0225C1E8R5BB01#
	MO	IM	7.2pF	±0.05pF	GJM0225C1E7R2WB01#	+		· NIV	700	- CO	±0.25pF	GJM0225C1E8R5CB01#
	CON	W		±0.1pF	GJM0225C1E7R2BB01#	1/1/			100	1.0	±0.5pF	GJM0225C1E8R5DB01#
	$CO_{\tilde{D}}$			±0.25pF	GJM0225C1E7R2CB01#	TW		WW	100	8.6pF	±0.05pF	GJM0225C1E8R6WB01#
	- c0	$M_{1,T}$		±0.5pF	GJM0225C1E7R2DB01#	<del></del>		WW	11.7.		±0.1pF	GJM0225C1E8R6BB01#
	1.0	M	7.3pF	±0.05pF	GJM0225C1E7R3WB01#	1.7			TW.	100	±0.25pF	GJM0225C1E8R6CB01#
	V.C.	77.	TW	±0.1pF	GJM0225C1E7R3BB01#	TI				1007	±0.5pF	GJM0225C1E8R6DB01#
	~1	$O_{N_I}$		±0.25pF	GJM0225C1E7R3CB01#	<del>111.</del>		W	WW	8.7pF	±0.05pF	GJM0225C1E8R7WB01#
	00 y.	c01		±0.5pF	GJM0225C1E7R3DB01#	01/1			TVI	N'Too	±0.1pF	GJM0225C1E8R7BB01#
	1007		7.4pF	±0.05pF	GJM0225C1E7R4WB01#	Mo				W.10	±0.25pF	GJM0225C1E8R7CB01#
	100	I.CU	T	±0.1pF	GJM0225C1E7R4BB01#				WW	- T 1	±0.5pF	GJM0225C1E8R7DB01#
		<1 C		±0.25pF	GJM0225C1E7R4CB01#	COD			W	8.8pF	±0.05pF	GJM0225C1E8R8WB01#
	W.10	17.		±0.5pF	GJM0225C1E7R4DB01#	<u>-</u> CO				WW.	±0.1pF	GJM0225C1E8R8BB01#
		01.	7.5pF	±0.05pF	GJM0225C1E7R5WB01#	<del>1.0</del>			N	N TAN	±0.25pF	GJM0225C1E8R8CB01#
	MN.7	001	COPI	±0.1pF	GJM0225C1E7R5BB01#	n <del>i.</del> C'		N	4	MM	±0.5pF	GJM0225C1E8R8DB01#
	WW.	100		±0.25pF				W		8.9pF	±0.05pF	GJM0225C1E8R9WB01#
		100		±0.5pF	GJM0225C1E7R5DB01#	<del>00 .</del> .		- "		0.501	±0.1pF	GJM0225C1E8R9BB01#
		110	7.6pF	±0.05pF	GJM0225C1E7R6WB01#	100 X		III		1111	±0.25pF	GJM0225C1E8R9CB01#
	WW	N.r.	7.0pi	±0.05pi	GJM0225C1E7R6BB01#	<u></u>		WT		W	±0.5pF	GJM0225C1E8R9DB01#
	-737	$\sqrt{N}$		±0.25pF	GJM0225C1E7R6CB01#	1.100		1.	Ú.	9.0pF	±0.05pF	GJM0225C1E9R0WB01#
	WV	-TXXI		±0.25pf	GJM0225C1E7R6DB01#	$\sqrt{1.1}0^{1}$		$M_{r,T}$		9.0pi	±0.03pi	GJM0225C1E9R0BB01#
	W	M. A.	7.7pF		TW W	1		T.M.	N		±0.25pF	GJM0225C1E9R0CB01#
	1	W	7.7pr	±0.05pF	GJM0225C1E7R7BB01#	111.		JA-	W		4/1/	1001
				±0.1pF		W.		$O_{MT}$ .		0.15	±0.5pF	GJM0225C1E9R0DB01#
		Mari		±0.25pF				CON	17.	9.1pF	±0.05pF	GJM0225C1E9R1WB01#
		W	7.0	±0.5pF	GJM0225C1E7R7DB01#				TI	N	±0.1pF	GJM0225C1E9R1BB01#
		***	7.8pF	±0.05pF		<del>- 1</del> 1		V.CO	- 1	W	±0.25pF	GJM0225C1E9R1CB01#
				±0.1pF	GJM0225C1E7R8BB01#			V CC	1	0.0-5	±0.5pF	GJM0225C1E9R1DB01#
				±0.25pF				01.	MO	9.2pF	±0.05pF	GJM0225C1E9R2WB01#
				±0.5pF	GJM0225C1E7R8DB01#			00 Y.C		TIN	±0.1pF	GJM0225C1E9R2BB01#
			7.9pF	±0.05pF	V C - TV			1007	$C_{O_{E}}$	TV	±0.25pF	GJM0225C1E9R2CB01#
				±0.1pF	GJM0225C1E7R9BB01#				CO	0.0 5	±0.5pF	GJM0225C1E9R2DB01#
				±0.25pF	GJM0225C1E7R9CB01#			1.1007	- 01	9.3pF	±0.05pF	GJM0225C1E9R3WB01#
				±0.5pF	GJM0225C1E7R9DB01#			100	Y.U	~ 1/1	±0.1pF	GJM0225C1E9R3BB01#
			8.0pF	±0.05pF				W.r.	ov.	OM	±0.25pF	GJM0225C1E9R3CB01#
				±0.1pF	GJM0225C1E8R0BB01#	1		JW.11	JU -	$co^{M}$	±0.5pF	GJM0225C1E9R3DB01#
				±0.25pF	GJM0225C1E8R0CB01#			-TXXI 1	001	9.4pF	±0.05pF	GJM0225C1E9R4WB01#
				±0.5pF	GJM0225C1E8R0DB01#	VI_		Maria	100	Y.Co.	±0.1pF	GJM0225C1E9R4BB01#
			8.1pF	±0.05pF	GJM0225C1E8R1WB01#			JWW	.10	V.CC	±0.25pF	GJM0225C1E9R4CB01#
				±0.1pF	GJM0225C1E8R1BB01#	TA.		7.7.7.7	N.10	276	±0.5pF	GJM0225C1E9R4DB01#
				±0.25pF	GJM0225C1E8R1CB01#	TIN		MM	xx 1	9.5pF	±0.05pF	GJM0225C1E9R5WB01#
				±0.5pF	GJM0225C1E8R1DB01#	- aV		WW	14.	100Y.	±0.1pF	GJM0225C1E9R5BB01#
			8.2pF	±0.05pF	GJM0225C1E8R2WB01#	M.		-11	NW.	In	±0.25pF	GJM0225C1E9R5CB01#
				±0.1pF	GJM0225C1E8R2BB01#	M.T					±0.5pF	GJM0225C1E9R5DB01#
				±0.25pF	GJM0225C1E8R2CB01#	, ·				9.6pF	±0.05pF	GJM0225C1E9R6WB01#
				±0.5pF	GJM0225C1E8R2DB01#	Ozr.					±0.1pF	GJM0225C1E9R6BB01#
			8.3pF	±0.05pF	GJM0225C1E8R3WB01#						±0.25pF	GJM0225C1E9R6CB01#

**GMA** Series

**GMD** Series

GQM Series **GRJ** Series

GR3 Series KRM Series

### GJM Series Temperature Compensating Type Part Number List

(→ **■** 0.4×0.2mm)

x.	Rated Voltage	TC Code	Сар.	Tol.	Part Number	W	T max.	Rated Voltage	TC Code	Сар.	Tol.	Part Number
nm	25Vdc	C0G	9.6pF	±0.5pF	GJM0225C1E9R6DB01#		0.22mm	25Vdc	СК	1.2pF	±0.1pF	GJM0224C1E1R2BB01#
			9.7pF	±0.05pF	GJM0225C1E9R7WB01#			M r.	Mor		±0.25pF	GJM0224C1E1R2CB01#
-	W			±0.1pF	GJM0225C1E9R7BB01#			00 X.		1.3pF	±0.05pF	GJM0224C1E1R3WB01#
7.	TW			±0.25pF	GJM0225C1E9R7CB01#			1001	CO	- 17	±0.1pF	GJM0224C1E1R3BB01#
M	1.11			±0.5pF	GJM0225C1E9R7DB01#	$\vdash$		700	17 CC		±0.25pF	GJM0224C1E1R3CB01#
	WT		9.8pF	±0.05pF	GJM0225C1E9R8WB01#	$\vdash$		x 100	1.	1.4pF	±0.05pF	GJM0224C1E1R4WB01#
) W	1.	I	3.0pi	±0.05pi	GJM0225C1E9R8BB01#	-			NY.C	П.нрі	±0.05pi	GJM0224C1E1R4BB01#
d	$M_{I,I}$			- 111		-		W.10	~ 1			
1	M.T	V		±0.25pF	GJM0225C1E9R8CB01#	-		W.1	00 1.	- AN	±0.25pF	GJM0224C1E1R4CB01#
		W		±0.5pF	GJM0225C1E9R8DB01#	N_		Mail .	1007	1.5pF	±0.05pF	GJM0224C1E1R5WB01#
	MO.	1	9.9pF	±0.05pF	GJM0225C1E9R9WB01#	- Tal		WW.	To		±0.1pF	GJM0224C1E1R5BB01#
		TV		±0.1pF	GJM0225C1E9R9BB01#	1.11		- 1	1.104	) )	±0.25pF	GJM0224C1E1R5CB01#
N.	$C_{\Omega_{R}}$	- 17		±0.25pF	GJM0225C1E9R9CB01#	TV		MM.	10	1.6pF	±0.05pF	GJM0224C1E1R6WB01#
1	7 CO	M.r		±0.5pF	GJM0225C1E9R9DB01#			WW	W. 7		±0.1pF	GJM0224C1E1R6BB01#
0,	1.0	W	10pF	±2%	GJM0225C1E100GB01#	1.1		-47	W.1		±0.25pF	GJM0224C1E1R6CB01#
	Y.C	) 1. K		±5%	GJM0225C1E100JB01#	1		11/1		1.7pF	±0.05pF	GJM0224C1E1R7WB01#
īn,	~<1 C	$O_{N_I}$	11pF	±2%	GJM0225C1E110GB01#			W	MM	. 007	±0.1pF	GJM0224C1E1R7BB01#
1	001.0	cOI	VIII	±5%	GJM0225C1E110JB01#	OM					±0.25pF	GJM0224C1E1R7CB01#
	1001		12pF	±2%	GJM0225C1E120GB01#					1.8pF	±0.05pF	GJM0224C1E1R8WB01#
N.		$_{1}$ CQ	ΙΖΡΙ	10.1		CON			WW	i .opi	117	TO NA
1	1.100			±5%	GJM0225C1E120JB01#	0					±0.1pF	GJM0224C1E1R8BB01#
	-100	Y.V	13pF	±2%	GJM0225C1E130GB01#					-131	±0.25pF	GJM0224C1E1R8CB01#
N	N.T.	ov.	COMP	±5%	GJM0225C1E130JB01#	<u>7.C'</u>			1	1.9pF	±0.05pF	GJM0224C1E1R9WB01#
-1	111		15pF	±2%	GJM0225C1E150GB01#	-1		XI			±0.1pF	GJM0224C1E1R9BB01#
	-311	007		±5%	GJM0225C1E150JB01#	01.				NN '	±0.25pF	GJM0224C1E1R9CB01#
ď	WW.		16pF	±2%	GJM0225C1E160GB01#	M		W		2.0pF	±0.05pF	GJM0224C1E2R0WB01#
	WW	.100		±5%	GJM0225C1E160JB01#			TV			±0.1pF	GJM0224C1E2R0BB01#
V	111	x 10	18pF	±2%	GJM0225C1E180GB01#	700		7.			±0.25pF	GJM0224C1E2R0CB01#
	WW			±5%	GJM0225C1E180JB01#	- 10		TW	CJ	2.1pF	±0.05pF	GJM0223C1E2R1WB01#
		11.1	20pF	±2%	GJM0225C1E200GB01#	1-1-		TV	N .		±0.1pF	GJM0223C1E2R1BB01#
		-131	700.7	±5%	GJM0225C1E200JB01#	7.1		M.r.	-31		±0.25pF	GJM0223C1E2R1CB01#
	W	W	22pF	±2%	GJM0225C1E220GB01#	-41		T.Mc	W.	2.2pF	±0.05pF	GJM0223C1E2R2WB01#
	<b>41</b>		ΖΖΡΙ	7 CUV	TO COLO	1 M		0 -	M	2.2μι	- N.	GJM0223C1E2R2BB01#
		014	100	±5%	GJM0225C1E220JB01#			·MO.	- X X		±0.1pF	Mrs. Com
	1	CK	0.20pF	±0.05pF	GJM0224C1ER20WB01#			MOD	1.11		±0.25pF	GJM0223C1E2R2CB01#
			111.	±0.1pF	GJM0224C1ER20BB01#			Co	T	2.3pF	±0.05pF	GJM0223C1E2R3WB01#
			0.30pF	±0.05pF	GJM0224C1ER30WB01#	-15			Nr.		±0.1pF	GJM0223C1E2R3BB01#
		1/1	N V	±0.1pF	GJM0224C1ER30BB01#	<i>M</i> .			M.		±0.25pF	GJM0223C1E2R3CB01#
			0.40pF	±0.05pF	GJM0224C1ER40WB01#	W		DY.C	-31	2.4pF	±0.05pF	GJM0223C1E2R4WB01#
				±0.1pF	GJM0224C1ER40BB01#			$00^{Y.C}$	$O_{L_{k}}$		±0.1pF	GJM0223C1E2R4BB01#
			0.50pF	±0.05pF	GJM0224C1ER50WB01#				~OD		±0.25pF	GJM0223C1E2R4CB01#
				±0.1pF	GJM0224C1ER50BB01#			1001		2.5pF	±0.05pF	GJM0223C1E2R5WB01#
			0.60pF	±0.05pF	GJM0224C1ER60WB01#			1.1005	CO		±0.1pF	GJM0223C1E2R5BB01#
				±0.1pF	GJM0224C1ER60BB01#			1.700	87 C		±0.25pF	GJM0223C1E2R5CB01#
			0.70pF	±0.05pF	GJM0224C1ER70WB01#			$\propto 10^{0}$	17.	2.6pF	±0.05pF	GJM0223C1E2R6WB01#
			0.7 opi	MAN Y		-		40	OY.	2.001	- 44 ·	GJM0223C1E2R6BB01#
			0.00 5	±0.1pF	GJM0224C1ER70BB01#			VW.10			±0.1pF	- 111
			0.80pF	±0.05pF	GJM0224C1ER80WB01#			WW.	001	105	±0.25pF	GJM0223C1E2R6CB01#
				±0.1pF	GJM0224C1ER80BB01#	V			100	2.7pF	±0.05pF	GJM0223C1E2R7WB01#
			0.90pF	±0.05pF	GJM0224C1ER90WB01#	-		UWW	.10		±0.1pF	GJM0223C1E2R7BB01#
				±0.1pF	GJM0224C1ER90BB01#	1.44			V.10	1 2.	±0.25pF	GJM0223C1E2R7CB01#
			1.0pF	±0.05pF	GJM0224C1E1R0WB01#	TV		WW	311	2.8pF	±0.05pF	GJM0223C1E2R8WB01#
				±0.1pF	GJM0224C1E1R0BB01#			WW	$M_T$		±0.1pF	GJM0223C1E2R8BB01#
				±0.25pF	GJM0224C1E1R0CB01#	17.7		111	NIN.		±0.25pF	GJM0223C1E2R8CB01#
			1.1pF	±0.05pF	GJM0224C1E1R1WB01#	24			1, 1,	2.9pF	±0.05pF	GJM0223C1E2R9WB01#
						0 // W/ or		i		P1	· · · · · · ·	
			p.	+0.1nE	G.IM0224C1E1D1BB01#	75					+0.15	G.IM0223C1E2D0BB01#
			p.	±0.1pF ±0.25pF	GJM0224C1E1R1BB01# GJM0224C1E1R1CB01#						±0.1pF ±0.25pF	GJM0223C1E2R9BB01# GJM0223C1E2R9CB01#

### Caution/

### GJM Series Temperature Compensating Type Part Number List

(→ **■** 0.4×0.2mm)

T max.	Rated Voltage	TC Code	Сар.	Tol.	Part Number	W	T max.	Rated Voltage	TC Code	Cap.	Tol.	Part Number
22mm	25Vdc	CJ	3.0pF	±0.1pF	GJM0223C1E3R0BB01#	41	0.22mm	25Vdc	СН	4.8pF	±0.1pF	GJM0222C1E4R8BB01#
			M .	±0.25pF	GJM0223C1E3R0CB01#			00 -7	CO		±0.25pF	GJM0222C1E4R8CB01#
	N		3.1pF	±0.05pF	GJM0223C1E3R1WB01#			00%		4.9pF	±0.05pF	GJM0222C1E4R9WB01#
	TW		WV	±0.1pF	GJM0223C1E3R1BB01#			1001	Co		±0.1pF	GJM0222C1E4R9BB01#
				±0.25pF	GJM0223C1E3R1CB01#				J CC		±0.25pF	GJM0222C1E4R9CB01#
	LTW		3.2pF	±0.05pF	GJM0223C1E3R2WB01#			N.100	7.	5.0pF	±0.05pF	GJM0222C1E5R0WB01#
	TY	V		±0.1pF	GJM0223C1E3R2BB01#			W.10	21.		±0.1pF	GJM0222C1E5R0BB01#
	Mr.	XX		±0.25pF	GJM0223C1E3R2CB01#				ov.		±0.25pF	GJM0222C1E5R0CB01#
	OM'J		3.3pF	±0.05pF	GJM0223C1E3R3WB01#	<b>4</b> 1		MW.Y	00-	5.1pF	±0.05pF	GJM0222C1E5R1WB01#
	·oM.	IM	·	±0.1pF	GJM0223C1E3R3BB01#	1		WW	700.	CO	±0.1pF	GJM0222C1E5R1BB01#
	COM	TV		±0.25pF	GJM0223C1E3R3CB01#	W		M. I.	100		±0.25pF	GJM0222C1E5R1CB01#
	CON	1. 1.	3.4pF	±0.05pF	GJM0223C1E3R4WB01#			WWW	1.5		±0.5pF	GJM0222C1E5R1DB01#
	-00	V.T.	ор.	±0.1pF	GJM0223C1E3R4BB01#			-750	W.77	5.2pF	±0.05pF	GJM0222C1E5R2WB01#
	Y.C.	M		±0.25pF	GJM0223C1E3R4CB01#	1.5		MM	JW.1	O.Zpi	±0.1pF	GJM0222C1E5R2BB01#
	V.C	75.	3.5pF	±0.05pF	GJM0223C1E3R5WB01#	. 5 1		WV	////		±0.25pF	
	0 x	OM	3.5pi	-	GJM0223C1E3R5BB01#	17/1-		- TAT	WW		CUN	-01
	001.	COI	LTW	±0.1pF	7 100			1		F On F	±0.5pF	GJM0222C1E5R2DB01#
	100Y.	Co	2.655	±0.25pF	GJM0223C1E3R5CB01#					5.3pF	±0.05pF	GJM0222C1E5R3WB01#
			3.6pF	±0.05pF	GJM0223C1E3R6WB01#				WW		±0.1pF	GJM0222C1E5R3BB01#
	V.100		$OM_{T}$	±0.1pF	GJM0223C1E3R6BB01#	CC					±0.25pF	GJM0222C1E5R3CB01#
	W.100	N.C		±0.25pF	GJM0223C1E3R6CB01#					=1.00	±0.5pF	GJM0222C1E5R3DB01#
	· .	OY.	3.7pF	±0.05pF	GJM0223C1E3R7WB01#	V.C				5.4pF	±0.05pF	GJM0222C1E5R4WB01#
	$\sqrt{N}$ . $\sqrt{N}$		COM	±0.1pF	GJM0223C1E3R7BB01#	-		N.	4		±0.1pF	GJM0222C1E5R4BB01#
		1007		±0.25pF	GJM0223C1E3R7CB01#	0 5.					±0.25pF	GJM0222C1E5R4CB01#
	M. M.	100	3.8pF	±0.05pF	GJM0223C1E3R8WB01#	003		W		1111	±0.5pF	GJM0222C1E5R4DB01#
	STATE OF	.70-	V.CC	±0.1pF	GJM0223C1E3R8BB01#			TW		5.5pF	±0.05pF	GJM0222C1E5R5WB01#
		N.10	0 2.	±0.25pF	GJM0223C1E3R8CB01#	700		-XX			±0.1pF	GJM0222C1E5R5BB01#
	MAN	_ 1	3.9pF	±0.05pF	GJM0223C1E3R9WB01#	u 10		1.7.			±0.25pF	GJM0222C1E5R5CB01#
	WW	111.	. NOV.	±0.1pF	GJM0223C1E3R9BB01#			VTT			±0.5pF	GJM0222C1E5R5DB01#
		NW	Joo	±0.25pF	GJM0223C1E3R9CB01#	M.		Mr.	N	5.6pF	±0.05pF	GJM0222C1E5R6WB01#
		СН	4.0pF	±0.05pF	GJM0222C1E4R0WB01#	TV		OM:	- 1		±0.1pF	GJM0222C1E5R6BB01#
	V		100	±0.1pF	GJM0222C1E4R0BB01#			OM.	LM		±0.25pF	GJM0222C1E5R6CB01#
		WW	W. 7	±0.25pF	GJM0222C1E4R0CB01#	M		CON	TV		±0.5pF	GJM0222C1E5R6DB01#
			4.1pF	±0.05pF	GJM0222C1E4R1WB01#	TV.		$CO_{N_i}$		5.7pF	±0.05pF	GJM0222C1E5R7WB01#
		4/1		±0.1pF	GJM0222C1E4R1BB01#			COL	1.7		±0.1pF	GJM0222C1E5R7BB01#
		W	Min	±0.25pF	GJM0222C1E4R1CB01#	W		N.Co	717		±0.25pF	GJM0222C1E5R7CB01#
			4.2pF	±0.05pF	GJM0222C1E4R2WB01#	1		V.CC	) IV 3		±0.5pF	GJM0222C1E5R7DB01#
			N	±0.1pF	GJM0222C1E4R2BB01#			-7 C	$O_{\overline{M}}$	5.8pF	· ·	GJM0222C1E5R8WB01#
			MM.	±0.25pF	GJM0222C1E4R2CB01#			00 <sup>Y.C</sup>	-07	0.00.	±0.1pF	GJM0222C1E5R8BB01#
			4.3pF	±0.05pF	GJM0222C1E4R3WB01#			100Y.			±0.25pF	GJM0222C1E5R8CB01#
			4.5pi	11 0 × 1	CONTRACT				CO			-3/3/
				±0.1pF	GJM0222C1E4R3BB01#			1.1007	. (	F 0F	±0.5pF	GJM0222C1E5R8DB01#
			44.5	±0.25pF	GJM0222C1E4R3CB01#			W.100	1	5.9pF	±0.05pF	GJM0222C1E5R9WB01#
			4.4pF	±0.05pF	GJM0222C1E4R4WB01#						±0.1pF	GJM0222C1E5R9BB01#
				±0.1pF	GJM0222C1E4R4BB01#	4.1		N. 10	JU - 57		±0.25pF	GJM0222C1E5R9CB01#
				±0.25pF	GJM0222C1E4R4CB01#	N		WW.	001	100	±0.5pF	GJM0222C1E5R9DB01#
			4.5pF	±0.05pF	GJM0222C1E4R5WB01#	W.		1	100	6.0pF	±0.05pF	GJM0222C1E6R0WB01#
				±0.1pF	GJM0222C1E4R5BB01#	-		UWW	.10		±0.1pF	GJM0222C1E6R0BB01#
				±0.25pF	GJM0222C1E4R5CB01#	11		1	$\sqrt{.10}$		±0.25pF	GJM0222C1E6R0CB01#
			4.6pF	±0.05pF	GJM0222C1E4R6WB01#	T		WW	-si 1	00 X.C	±0.5pF	GJM0222C1E6R0DB01#
				±0.1pF	GJM0222C1E4R6BB01#			WW	14.,	6.1pF	±0.05pF	GJM0222C1E6R1WB01#
				±0.25pF	GJM0222C1E4R6CB01#	$N_{2}$			WW.		±0.1pF	GJM0222C1E6R1BB01#
			4.7pF	±0.05pF	GJM0222C1E4R7WB01#	M					±0.25pF	GJM0222C1E6R1CB01#
				±0.1pF	GJM0222C1E4R7BB01#	7-1					±0.5pF	GJM0222C1E6R1DB01#
				±0.25pF	GJM0222C1E4R7CB01#	Oz				6.2pF	<u> </u>	GJM0222C1E6R2WB01#
			4.8pF	±0.05pF	GJM0222C1E4R8WB01#					•	±0.1pF	GJM0222C1E6R2BB01#

# GJM Series GRM Series

GMA Series

**GMD** Series

GQM Series **GRJ** Series

GR3 Series KRM Series

### GJM Series Temperature Compensating Type High Q Part Number List

(→ ■ 0.4×0.2mm)

T max.	Rated Voltage	TC Code	Сар.	Tol.	Part Number	W	T max.	Rated Voltage	TC Code	Сар.	Tol.	Part Number
0.22mm	25Vdc	СН	6.2pF	±0.25pF	GJM0222C1E6R2CB01#		0.22mm	25Vdc	СН	7.6pF	±0.05pF	GJM0222C1E7R6WB01#
			N T	±0.5pF	GJM0222C1E6R2DB01#			-7 (	NO.		±0.1pF	GJM0222C1E7R6BB01#
			6.3pF	±0.05pF	GJM0222C1E6R3WB01#			00%		V.I.M	±0.25pF	GJM0222C1E7R6CB01#
	TW		WV	±0.1pF	GJM0222C1E6R3BB01#			1007	Co	TI	±0.5pF	GJM0222C1E7R6DB01#
	. 1		- 1	±0.25pF	GJM0222C1E6R3CB01#				V.C	7.7pF	±0.05pF	GJM0222C1E7R7WB01#
	TJJJ		14	±0.5pF	GJM0222C1E6R3DB01#			N.100	-7 C	$O_{M}$	±0.1pF	GJM0222C1E7R7BB01#
	TI		6.4pF	±0.05pF	GJM0222C1E6R4WB01#			W 10	01.	Mon	±0.25pF	GJM0222C1E7R7CB01#
	II.	W		±0.1pF	GJM0222C1E6R4BB01#			1	ON.		±0.5pF	GJM0222C1E7R7DB01#
	$0_{M^*}$ ,	TW		±0.25pF	GJM0222C1E6R4CB01#	N		M.V.	001	7.8pF	±0.05pF	GJM0222C1E7R8WB01#
	OM	LAG		±0.5pF	GJM0222C1E6R4DB01#	1		NW	700	47 CO	±0.1pF	GJM0222C1E7R8BB01#
		ITV	6.5pF	±0.05pF	GJM0222C1E6R5WB01#	M			1.100	7.0	±0.25pF	GJM0222C1E7R8CB01#
	COA		N	±0.1pF	GJM0222C1E6R5BB01#			MM	_ 10	OY.	±0.5pF	GJM0222C1E7R8DB01#
	of CO	11.7	- XX	±0.25pF	GJM0222C1E6R5CB01#			WW	11.5	7.9pF	±0.05pF	GJM0222C1E7R9WB01#
	1.	M		±0.5pF	GJM0222C1E6R5DB01#	7.7			W.	100	±0.1pF	GJM0222C1E7R9BB01#
	O.Y.C.	~ 1/	6.6pF	±0.05pF	GJM0222C1E6R6WB01#	M.		1111	LIXI	7001	±0.25pF	GJM0222C1E7R9CB01#
	oov.C	$O_{N}$	- TW	±0.1pF	GJM0222C1E6R6BB01#	72.		W	M.	100	±0.5pF	GJM0222C1E7R9DB01#
	.UU - 47	COJ	1. 1	±0.25pF	GJM0222C1E6R6CB01#	$O_{M_1}$			W	8.0pF	±0.05pF	GJM0222C1E8R0WB01#
	700 J		$M_{IJ}$	±0.5pF	GJM0222C1E6R6DB01#	10			-11	11.70	±0.1pF	GJM0222C1E8R0BB01#
	1100		6.7pF	±0.05pF	GJM0222C1E6R7WB01#				Al .	-TXV .1	±0.25pF	GJM0222C1E8R0CB01#
	1.7	V.C	Ohr	±0.1pF	GJM0222C1E6R7BB01#	CC			W		±0.5pF	GJM0222C1E8R0DB01#
	$M_{JO}$	~ 7 (	OM.	±0.25pF	GJM0222C1E6R7CB01#	v.C			17	8.1pF	±0.05pF	GJM0222C1E8R1WB01#
		07.	COM	±0.5pF	GJM0222C1E6R7DB01#	-7		s ī		TINV	±0.1pF	GJM0222C1E8R1BB01#
	N VV	1001	6.8pF	±0.05pF	GJM0222C1E6R8WB01#	01.		10		W .	±0.25pF	GJM0222C1E8R1CB01#
	$M_{M}$ .	. 00	$\sqrt{CO_2}$	±0.1pF	GJM0222C1E6R8BB01#	003		W		MM	±0.5pF	GJM0222C1E8R1DB01#
	TWW	The	ST CC	±0.25pF	GJM0222C1E6R8CB01#	- 0		TW		8.2pF	±0.05pF	GJM0222C1E8R2WB01#
		N.10	01.	±0.5pF	GJM0222C1E6R8DB01#	,100		- 1			±0.1pF	GJM0222C1E8R2BB01#
	WW	- 1	6.9pF	±0.05pF	GJM0222C1E6R9WB01#	110		LIN			±0.25pF	GJM0222C1E8R2CB01#
	WV	111.	. NO.	±0.1pF	GJM0222C1E6R9BB01#	1		TTV	N		±0.5pF	GJM0222C1E8R2DB01#
		NW	700	±0.25pF	GJM0222C1E6R9CB01#	$M^{\circ}$		I. I.	W	8.3pF	±0.05pF	GJM0222C1E8R3WB01#
			$1.700_{3}$	±0.5pF	GJM0222C1E6R9DB01#	W		OM.,	- 1		±0.1pF	GJM0222C1E8R3BB01#
	1		7.0pF	±0.05pF	GJM0222C1E7R0WB01#			MO	LA		±0.25pF	GJM0222C1E8R3CB01#
		WW	W	±0.1pF	GJM0222C1E7R0BB01#				TW		±0.5pF	GJM0222C1E8R3DB01#
			111.77	±0.25pF	GJM0222C1E7R0CB01#	W		$C_{O_{2d}}$	- 17	8.4pF	±0.05pF	GJM0222C1E8R4WB01#
		111	TIN.	±0.5pF	GJM0222C1E7R0DB01#			1 CO	17.7	× 10.	±0.1pF	GJM0222C1E8R4BB01#
			7.1pF	±0.05pF	GJM0222C1E7R1WB01#				W.		±0.25pF	GJM0222C1E8R4CB01#
		1	MMM	±0.1pF	GJM0222C1E7R1BB01#			O.Y.C.	- 1	TW	±0.5pF	GJM0222C1E8R4DB01#
			- TW	±0.25pF	GJM0222C1E7R1CB01#	4		nov.C	$O_{Mr}$	8.5pF	±0.05pF	GJM0222C1E8R5WB01#
			NN '	±0.5pF	GJM0222C1E7R1DB01#			JU -	COD	1.1	±0.1pF	GJM0222C1E8R5BB01#
			7.2pF	±0.05pF	GJM0222C1E7R2WB01#			$^{700x}$		M.I.	±0.25pF	GJM0222C1E8R5CB01#
			W	±0.1pF	GJM0222C1E7R2BB01#			100		TIM	±0.5pF	GJM0222C1E8R5DB01#
			***	±0.25pF	GJM0222C1E7R2CB01#			N.2-	V.C'	8.6pF	±0.05pF	GJM0222C1E8R6WB01#
				±0.5pF	GJM0222C1E7R2DB01#			W.10,	- T	OM.	±0.1pF	GJM0222C1E8R6BB01#
			7.3pF	±0.05pF	GJM0222C1E7R3WB01#			1X. IX	01.	MOD	±0.25pF	GJM0222C1E8R6CB01#
				±0.1pF	GJM0222C1E7R3BB01#			1	OOX		±0.5pF	GJM0222C1E8R6DB01#
				±0.25pF	GJM0222C1E7R3CB01#			M.	. 001	8.7pF	±0.05pF	GJM0222C1E8R7WB01#
				±0.5pF	GJM0222C1E7R3DB01#	- 1		TWW	700	T CC	±0.1pF	GJM0222C1E8R7BB01#
			7.4pF	±0.05pF	GJM0222C1E7R4WB01#	$L_{M}$		N V	V.10	0 7.	±0.25pF	GJM0222C1E8R7CB01#
				±0.1pF	GJM0222C1E7R4BB01#	T		MM	L 1	001.	±0.5pF	GJM0222C1E8R7DB01#
				±0.25pF	GJM0222C1E7R4CB01#	L. (C		WW	M.	8.8pF	±0.05pF	GJM0222C1E8R8WB01#
				±0.5pF	GJM0222C1E7R4DB01#	17.			NW.	Ing	±0.1pF	GJM0222C1E8R8BB01#
			7.5pF	±0.05pF	GJM0222C1E7R5WB01#	$\Lambda_{C}$					±0.25pF	GJM0222C1E8R8CB01#
				±0.1pF	GJM0222C1E7R5BB01#	) * 					±0.5pF	GJM0222C1E8R8DB01#
				±0.25pF	GJM0222C1E7R5CB01#	OA				8.9pF	±0.05pF	GJM0222C1E8R9WB01#
				±0.5pF	GJM0222C1E7R5DB01#						±0.1pF	GJM0222C1E8R9BB01#

Mos	±0.25pF	GJM0222C1E7R7CB01#	
CO	±0.5pF	GJM0222C1E7R7DB01#	
7.8pF	±0.05pF	GJM0222C1E7R8WB01#	
-1 CO	±0.1pF	GJM0222C1E7R8BB01#	
	±0.25pF	GJM0222C1E7R8CB01#	
OY.C	±0.5pF	GJM0222C1E7R8DB01#	
7.9pF	±0.05pF	GJM0222C1E7R9WB01#	
	±0.1pF	GJM0222C1E7R9BB01#	
	±0.25pF	GJM0222C1E7R9CB01#	
	±0.5pF	GJM0222C1E7R9DB01#	
8.0pF	±0.05pF	GJM0222C1E8R0WB01#	
	±0.1pF	GJM0222C1E8R0BB01#	
	±0.25pF	GJM0222C1E8R0CB01#	
	±0.5pF	GJM0222C1E8R0DB01#	
8.1pF	±0.05pF	GJM0222C1E8R1WB01#	
	±0.1pF	GJM0222C1E8R1BB01#	
	±0.25pF	GJM0222C1E8R1CB01#	
	±0.5pF	GJM0222C1E8R1DB01#	
8.2pF	±0.05pF	GJM0222C1E8R2WB01#	
	±0.1pF	GJM0222C1E8R2BB01#	
	±0.25pF	GJM0222C1E8R2CB01#	
	±0.5pF	GJM0222C1E8R2DB01#	
8.3pF	±0.05pF	GJM0222C1E8R3WB01#	
	±0.1pF	GJM0222C1E8R3BB01#	%.T
	±0.25pF	GJM0222C1E8R3CB01#	
	±0.5pF	GJM0222C1E8R3DB01#	M
8.4pF	±0.05pF	GJM0222C1E8R4WB01#	T
	±0.1pF	GJM0222C1E8R4BB01#	
	±0.25pF	GJM0222C1E8R4CB01#	1.7
	±0.5pF	GJM0222C1E8R4DB01#	A.
8.5pF	±0.05pF	GJM0222C1E8R5WB01#	74
	±0.1pF	GJM0222C1E8R5BB01#	DIA
	±0.25pF	GJM0222C1E8R5CB01#	.01
	±0.5pF	GJM0222C1E8R5DB01#	
8.6pF	±0.05pF	GJM0222C1E8R6WB01#	C
	±0.1pF	GJM0222C1E8R6BB01#	1
	±0.25pF	GJM0222C1E8R6CB01#	
	±0.5pF	GJM0222C1E8R6DB01#	11
8.7pF	±0.05pF	GJM0222C1E8R7WB01#	201
	±0.1pF	GJM0222C1E8R7BB01#	
	±0.25pF	GJM0222C1E8R7CB01#	
	±0.5pF	GJM0222C1E8R7DB01#	
8.8pF	±0.05pF	GJM0222C1E8R8WB01#	
	±0.1pF	GJM0222C1E8R8BB01#	
	±0.25pF	GJM0222C1E8R8CB01#	
	±0.5pF	GJM0222C1E8R8DB01#	
8.9pF	±0.05pF	GJM0222C1E8R9WB01#	
	±0.1pF	GJM0222C1E8R9BB01#	

### GJM Series Temperature Compensating Type Part Number List

T max.	Rated Voltage	TC Code	Сар.	Tol.	Part Number	
.22mm	25Vdc	СН	8.9pF	±0.25pF	GJM0222C1E8R9CB01#	
				±0.5pF	GJM0222C1E8R9DB01#	
	W		9.0pF	±0.05pF	GJM0222C1E9R0WB01#	
	- XX			±0.1pF	GJM0222C1E9R0BB01#	
	7.			±0.25pF	GJM0222C1E9R0CB01#	
	TIN			±0.5pF	GJM0222C1E9R0DB01#	
		V	9.1pF	±0.05pF	GJM0222C1E9R1WB01#	
	Mr	× 1		±0.1pF	GJM0222C1E9R1BB01#	
	$OM_J$			±0.25pF	GJM0222C1E9R1CB01#	< T
	~1/	LIN		±0.5pF	GJM0222C1E9R1DB01#	P
	COM		9.2pF	±0.05pF	GJM0222C1E9R2WB01#	
	CON	J. J.	1.Epi	±0.1pF	GJM0222C1E9R2BB01#	_
		$\Lambda$ . $\Gamma$		±0.25pF	GJM0222C1E9R2CB01#	
	Y.CO	- 17		±0.5pF	GJM0222C1E9R2DB01#	1
	V.C	Dir.	0.2nE		ANN TO THE RESERVE OF THE PERSON OF THE PERS	
	0 2	MO	9.3pF	±0.05pF		
	001.			±0.1pF	GJM0222C1E9R3BB01#	7
	. NOON.	$C_{\Omega_7}$		±0.25pF		
	700	CC	Mr	±0.5pF	GJM0222C1E9R3DB01#	4(
	1.100	1.00	9.4pF	±0.05pF		_
	-1100	N.V		±0.1pF	GJM0222C1E9R4BB01#	-
	11.7	N.		±0.25pF	GJM0222C1E9R4CB01#	I
	W.1	JU = 7	CON	±0.5pF	GJM0222C1E9R4DB01#	
		1001	9.5pF	±0.05pF	GJM0222C1E9R5WB01#	U
	W.	100		±0.1pF	GJM0222C1E9R5BB01#	
	NW	.10		±0.25pF	GJM0222C1E9R5CB01#	
		N.10	U E	±0.5pF	GJM0222C1E9R5DB01#	7
	1/1/1/	· 	9.6pF	±0.05pF	GJM0222C1E9R6WB01#	1
		111.		±0.1pF	GJM0222C1E9R6BB01#	
		NW		±0.25pF	GJM0222C1E9R6CB01#	V
		- 11	1.700	±0.5pF	GJM0222C1E9R6DB01#	1
	V	144.	9.7pF	±0.05pF	GJM0222C1E9R7WB01#	
	-	WW		±0.1pF	GJM0222C1E9R7BB01#	V
				±0.25pF	GJM0222C1E9R7CB01#	
		W.		±0.5pF	GJM0222C1E9R7DB01#	
		W	9.8pF	±0.05pF	GJM0222C1E9R8WB01#	V
				±0.1pF	GJM0222C1E9R8BB01#	
				±0.25pF	GJM0222C1E9R8CB01#	
				±0.5pF	GJM0222C1E9R8DB01#	
			9.9pF	±0.05pF	GJM0222C1E9R9WB01#	
			***	±0.1pF	GJM0222C1E9R9BB01#	
				±0.25pF	W	
				±0.5pF	GJM0222C1E9R9DB01#	
			10pF	±2%	GJM0222C1E100GB01#	
			торі	±5%	GJM0222C1E100GB01#	1
			11.5		3 100 - 001.	
			11pF	±2%	GJM0222C1E110GB01#	(A
			40.5	±5%	GJM0222C1E110JB01#	
			12pF	±2%	GJM0222C1E120GB01#	1
				±5%	GJM0222C1E120JB01#	17
			13pF	±2%	GJM0222C1E130GB01#	/%
				±5%	GJM0222C1E130JB01#	10
			15pF	±2%	GJM0222C1E150GB01#	7
				±5%	GJM0222C1E150JB01#	
			16pF	±2%	GJM0222C1E160GB01#	U
				±5%	GJM0222C1E160JB01#	

T max.	Rated Voltage	TC Code	Cap.	Tol.	Part Number
22mm	25Vdc	СН	18pF	±2%	GJM0222C1E180GB01#
	JU 1	MO.		±5%	GJM0222C1E180JB01#
	00%	-01	20pF	±2%	GJM0222C1E200GB01#
	1007	CO		±5%	GJM0222C1E200JB01#
	To	J.CC	22pF	±2%	GJM0222C1E220GB01#
	N.100			±5%	GJM0222C1E220JB01#

### ■ 0.6×0.3mm Ultra-

T max.	Rated Voltage	TC Code	Cap.	Tol.	Part Number	
.33mm	25Vdc	COG	0.20pF	±0.05pF	GJM0335C1ER20WB01#	
	- NV	11.77		±0.1pF	GJM0335C1ER20BB01#	
	111	W.1	0.30pF	±0.05pF	GJM0335C1ER30WB01#	
			1007	±0.1pF	GJM0335C1ER30BB01#	
	W	MAA	0.40pF	±0.05pF	GJM0335C1ER40WB01#	
			N'Tan	±0.1pF	GJM0335C1ER40BB01#	
			0.50pF	±0.05pF	GJM0335C1ER50WB01#	
		WW	-x11(	±0.1pF	GJM0335C1ER50BB01#	
		W	0.60pF	±0.05pF	GJM0335C1ER60WB01#	
				±0.1pF	GJM0335C1ER60BB01#	
	. 7		0.70pF	±0.05pF	GJM0335C1ER70WB01#	
	N		MAG	±0.1pF	GJM0335C1ER70BB01#	
	W		0.80pF	±0.05pF	GJM0335C1ER80WB01#	
	- 1		- 111	±0.1pF	GJM0335C1ER80BB01#	
	3.11		0.90pF	±0.05pF	GJM0335C1ER90WB01#	
	WEI		W	±0.1pF	GJM0335C1ER90BB01#	
	- TV	V	1.0pF	±0.05pF	GJM0335C1E1R0WB01#	
				±0.1pF	GJM0335C1E1R0BB01#	
		NY .		±0.25pF	GJM0335C1E1R0CB01#	e 1
ŀ			1.1pF	±0.05pF	GJM0335C1E1R1WB01#	N-
l		TV	p.	±0.1pF	GJM0335C1E1R1BB01#	W
				±0.25pF	GJM0335C1E1R1CB01#	
0		T.T	1.2pF	±0.05pF	GJM0335C1E1R2WB01#	
V			W	±0.1pF	GJM0335C1E1R2BB01#	CI
L				±0.25pF	GJM0335C1E1R2CB01#	- N
		$O_{M}$	1.3pF	±0.05pF	GJM0335C1E1R3WB01#	<i>M</i> .
			T.L.	±0.1pF	GJM0335C1E1R3BB01#	77/3
	nov.			±0.25pF	GJM0335C1E1R3CB01#	
	7007	CO.	1.4pF	±0.05pF	GJM0335C1E1R4WB01#	
	1.100	L, C	OWIE.	±0.1pF	GJM0335C1E1R4BB01#	CC
	N 100	17.		±0.25pF	GJM0335C1E1R4CB01#	- 0
	-11(	01.	1.5pF	±0.05pF	GJM0335C1E1R5WB01#	
	Mir	ON	CO	±0.1pF	GJM0335C1E1R5BB01#	M.
l		100 -		±0.25pF	GJM0335C1E1R5CB01#	
	111	100	1.6pF	±0.05pF	GJM0335C1E1R6WB01#	9013
		- 10	1.001	±0.1pF	GJM0335C1E1R6BB01#	
	WW	1.2		±0.25pF	GJM0335C1E1R6CB01#	
		W.7	1.7pF	±0.05pF	GJM0335C1E1R7WB01#	
	MA	LINI	1000	±0.1pF	GJM0335C1E1R7BB01#	
	W	1		±0.25pF	GJM0335C1E1R7CB01#	
			1.8pF	±0.25pi	GJM0335C1E1R8WB01#	
			i.opi	±0.05pF	GJM0335C1E1R8BB01#	
		1		1 ±0.101	COMODOS IE I NODDO I#	1

### 3JM Series

GMA Series

GQM Series GMD Series

GRJ Series

KRM Series GR3 Series

### GJM Series Temperature Compensating Type Part Number List

T ax.	Rated Voltage	TC Code	Сар.	Tol.	Part Number	W.	T max.	Rated Voltage	TC Code	Сар.	Tol.	Part Number
3mm	25Vdc	COG	1.9pF	±0.05pF	GJM0335C1E1R9WB01#		0.33mm	25Vdc	COG	3.7pF	±0.05pF	GJM0335C1E3R7WB01#
				±0.1pF	GJM0335C1E1R9BB01#		1. W.V.	00 2	·ON		±0.1pF	GJM0335C1E3R7BB01#
1				±0.25pF	GJM0335C1E1R9CB01#		M M	00,7.			±0.25pF	GJM0335C1E3R7CB01#
1.			2.0pF	±0.05pF	GJM0335C1E2R0WB01#		MMM.	1007	CO	3.8pF	±0.05pF	GJM0335C1E3R8WB01#
M.				±0.1pF	GJM0335C1E2R0BB01#				J C		±0.1pF	GJM0335C1E3R8BB01#
				±0.25pF	GJM0335C1E2R0CB01#		. //	N.100	7.		±0.25pF	GJM0335C1E3R8CB01#
		N	2.1pF	±0.05pF	GJM0335C1E2R1WB01#		MM	-x1 10	01.	3.9pF	±0.05pF	GJM0335C1E3R9WB01#
90		W		±0.1pF	GJM0335C1E2R1BB01#		WW	M.r.	MY.		±0.1pF	GJM0335C1E3R9BB01#
				±0.25pF	GJM0335C1E2R1CB01#	18.1		$NN^{-1}$	00		±0.25pF	GJM0335C1E3R9CB01#
4		IM	2.2pF	±0.05pF	GJM0335C1E2R2WB01#		- //	WW	700.	4.0pF	±0.05pF	GJM0335C1E4R0WB01#
		W		±0.1pF	GJM0335C1E2R2BB01#	W			100	Y.C.	±0.1pF	GJM0335C1E4R0BB01#
		1.0 h		±0.25pF	GJM0335C1E2R2CB01#			NWW	10.5		±0.25pF	GJM0335C1E4R0CB01#
		$V_{IJ}$	2.3pF	±0.05pF	GJM0335C1E2R3WB01#		.` -≪1	-TVN	11.77	4.1pF	±0.05pF	GJM0335C1E4R1WB01#
O		717	Ziop.	±0.1pF	GJM0335C1E2R3BB01#	1.1	N.	M.	-XXI 1	00.3.	±0.1pF	GJM0335C1E4R1BB01#
		Diar.		±0.25pF	GJM0335C1E2R3CB01#	. 15	W	W	N		±0.25pF	GJM0335C1E4R1CB01#
T.O.		OM	2.4pF	±0.05pF	GJM0335C1E2R4WB01#	Mr.	· TXX	***	WW	4.2pF	±0.25pi	GJM0335C1E4R2WB01#
1			2.401	±0.03pi	GJM0335C1E2R4BB01#		.1.		- 11	4.201	±0.03pi	GJM0335C1E4R2BB01#
		Co		<u> </u>	GJM0335C1E2R4CB01#		TIN				P	W. 1. 3.
1		$_{I}$ C $^{O}$	0.FnF	±0.25pF		CO	W		WW	4.0nF	±0.25pF	GJM0335C1E4R2CB01#
		- 0	2.5pF	±0.05pF	GJM0335C1E2R5WB01#	CC	M		- 11	4.3pF	±0.05pF	GJM0335C1E4R3WB01#
		N.C		±0.1pF	GJM0335C1E2R5BB01#		OMITI				±0.1pF	GJM0335C1E4R3BB01#
N		NY.	000	±0.25pF	GJM0335C1E2R5CB01#	Y.C	VIII		V	=	±0.25pF	GJM0335C1E4R3CB01#
		JU	2.6pF	±0.05pF	GJM0335C1E2R6WB01#	N.	$CO_{Mr}$	N	-	4.4pF	±0.05pF	GJM0335C1E4R4WB01#
1		100,		±0.1pF	GJM0335C1E2R6BB01#	10 2	COM	1			±0.1pF	GJM0335C1E4R4BB01#
		100	1.00	±0.25pF	GJM0335C1E2R6CB01#	00)	· OM.			1111	±0.25pF	GJM0335C1E4R4CB01#
1			2.7pF	±0.05pF	GJM0335C1E2R7WB01#	100	Y.Com	W		4.5pF	±0.05pF	GJM0335C1E4R5WB01#
		N.70		±0.1pF	GJM0335C1E2R7BB01#	Too	COM	OVN			±0.1pF	GJM0335C1E4R5BB01#
		-xxi 1	001.	±0.25pF	GJM0335C1E2R7CB01#	v 10	10 y	$T_{i,T}$	1		±0.25pF	GJM0335C1E4R5CB01#
		1,1,1	2.8pF	±0.05pF	GJM0335C1E2R8WB01#		.00 X.C.	VI.TV	١ - ا	4.6pF	±0.05pF	GJM0335C1E4R6WB01#
		NW		±0.1pF	GJM0335C1E2R8BB01#	M	. any .Cu	T. T.	W		±0.1pF	GJM0335C1E4R6BB01#
			1.100	±0.25pF	GJM0335C1E2R8CB01#	W	.100 × C	OM.I			±0.25pF	GJM0335C1E4R6CB01#
			2.9pF	±0.05pF	GJM0335C1E2R9WB01#		$^{1700}$	MO		4.7pF	±0.05pF	GJM0335C1E4R7WB01#
		WW		±0.1pF	GJM0335C1E2R9BB01#	W.		- N I	TW		±0.1pF	GJM0335C1E4R7BB01#
		- 11		±0.25pF	GJM0335C1E2R9CB01#	WW		$CO_{D}$			±0.25pF	GJM0335C1E4R7CB01#
		M.	3.0pF	±0.05pF	GJM0335C1E3R0WB01#		VW.100 .	- cO	17.7	4.8pF	±0.05pF	GJM0335C1E4R8WB01#
		W		±0.1pF	GJM0335C1E3R0BB01#	M	100	<b>Y</b>	MI		±0.1pF	GJM0335C1E4R8BB01#
				±0.25pF	GJM0335C1E3R0CB01#	V	W.	V.C.			±0.25pF	GJM0335C1E4R8CB01#
			3.1pF	±0.05pF	GJM0335C1E3R1WB01#		MW.In	~√ C	$O_{N_T}$	4.9pF	±0.05pF	GJM0335C1E4R9WB01#
				±0.1pF	GJM0335C1E3R1BB01#		1. W.	00 r.	COD		±0.1pF	GJM0335C1E4R9BB01#
				±0.25pF	GJM0335C1E3R1CB01#		MAL	100%			±0.25pF	GJM0335C1E4R9CB01#
			3.2pF	±0.05pF	GJM0335C1E3R2WB01#		WWW		CU	5.0pF	±0.05pF	GJM0335C1E5R0WB01#
			- 41	±0.1pF	GJM0335C1E3R2BB01#		WWV	1.100	<7 C	OM:	±0.1pF	GJM0335C1E5R0BB01#
				±0.25pF	GJM0335C1E3R2CB01#			N.100	13.		±0.25pF	GJM0335C1E5R0CB01#
			3.3pF	±0.05pF	GJM0335C1E3R3WB01#		· WW	110	01.	5.1pF	±0.05pF	GJM0335C1E5R1WB01#
			0.00.	±0.1pF	GJM0335C1E3R3BB01#	N	WY	M. 7	ON	COPY	±0.1pF	GJM0335C1E5R1BB01#
				±0.25pF	GJM0335C1E3R3CB01#	_1		WW.	001		±0.25pF	GJM0335C1E5R1CB01#
			3.4pF	±0.05pF	GJM0335C1E3R4WB01#				100		±0.5pF	GJM0335C1E5R1DB01#
			υ.+ρι			M		WWW	- 10	5.2nE	- 11	N N
				±0.1pF	GJM0335C1E3R4BB01#	- 1	N	WIN	1.70	5.2pF	±0.05pF	GJM0335C1E5R2WB01#
			0.5-5	±0.25pF	GJM0335C1E3R4CB01#		1	A	W.1		±0.1pF	GJM0335C1E5R2BB01#
			3.5pF	±0.05pF	GJM0335C1E3R5WB01#	11	W	WW	- T		±0.25pF	GJM0335C1E5R2CB01#
				±0.1pF	GJM0335C1E3R5BB01#	Nr.	W	W	N.M.		±0.5pF	GJM0335C1E5R2DB01#
			00-	±0.25pF	GJM0335C1E3R5CB01#		1 ·			5.3pF	±0.05pF	GJM0335C1E5R3WB01#
			3.6pF	±0.05pF	GJM0335C1E3R6WB01#	100	TTV				±0.1pF	GJM0335C1E5R3BB01#
				±0.1pF	GJM0335C1E3R6BB01#	M.					±0.25pF	GJM0335C1E5R3CB01#
				±0.25pF	GJM0335C1E3R6CB01#						±0.5pF	GJM0335C1E5R3DB01#

### GJM Series Temperature Compensating Type Part Number List

		mm)											
T max.	Rated Voltage	TC Code	Cap.	Tol.	Part Number	W	T max.	Rated Voltage	TC Code	Cap.	Tol.	Part Number	
0.33mm	25Vdc	COG	5.4pF	±0.05pF	GJM0335C1E5R4WB01#		0.33mm	25Vdc	COG	6.7pF	±0.25pF	GJM0335C1E6R7CB01#	
				±0.1pF	GJM0335C1E5R4BB01#			JU = =1 (	ON	. 1	±0.5pF	GJM0335C1E6R7DB01#	
				±0.25pF	GJM0335C1E5R4CB01#			00,1		6.8pF	±0.05pF	GJM0335C1E6R8WB01#	
	TW		WV	±0.5pF	GJM0335C1E5R4DB01#			1007			±0.1pF	GJM0335C1E6R8BB01#	
			5.5pF	±0.05pF	GJM0335C1E5R5WB01#				V.C		±0.25pF	GJM0335C1E6R8CB01#	
	VI.I.			±0.1pF	GJM0335C1E5R5BB01#			N.100	-1 (		±0.5pF	GJM0335C1E6R8DB01#	
	TI	N		±0.25pF	GJM0335C1E5R5CB01#			W.10	21.	6.9pF	±0.05pF	GJM0335C1E6R9WB01#	
	Mr.	W		±0.5pF	GJM0335C1E5R5DB01#			1	OV.		±0.1pF	GJM0335C1E6R9BB01#	
	$O_{W,j}$		5.6pF	±0.05pF	GJM0335C1E5R6WB01#	N		MM.			±0.25pF	GJM0335C1E6R9CB01#	
	MO	LIN		±0.1pF	GJM0335C1E5R6BB01#	4.4		WW	700		±0.5pF	GJM0335C1E6R9DB01#	
	CO	W		±0.25pF	GJM0335C1E5R6CB01#	IN			100	7.0pF	±0.05pF	GJM0335C1E7R0WB01#	
	CON	1.		±0.5pF	GJM0335C1E5R6DB01#			MIN	4.0		±0.1pF	GJM0335C1E7R0BB01#	
	- cO	$V_{T}$	5.7pF	±0.05pF	GJM0335C1E5R7WB01#			- TW	11.77		±0.25pF	GJM0335C1E7R0CB01#	
	N.C.	W	111	±0.1pF	GJM0335C1E5R7BB01#	1.1		M	. N.1		±0.5pF	GJM0335C1E7R0DB01#	
	V.C	920		±0.25pF	GJM0335C1E5R7CB01#	1		W		7.1pF	±0.05pF	GJM0335C1E7R1WB01#	
	~J (	OM		±0.5pF	GJM0335C1E5R7DB01#	137.		11			±0.1pF	GJM0335C1E7R1BB01#	
	00 7.	col	5.8pF	±0.05pF	GJM0335C1E5R8WB01#	OM					±0.25pF	GJM0335C1E7R1CB01#	
	1007		VIII	±0.1pF	GJM0335C1E5R8BB01#						±0.5pF	GJM0335C1E7R1DB01#	
	. 007	L.CC		±0.25pF	GJM0335C1E5R8CB01#				WW	7.2pF	±0.05pF	GJM0335C1E7R2WB01#	
	1.700	<7 C		±0.5pF	GJM0335C1E5R8DB01#	CO			W	N.Zp.	±0.1pF	GJM0335C1E7R2BB01#	
	XX.10	17.	5.9pF	±0.05pF	GJM0335C1E5R9WB01#	7 (					±0.25pF	GJM0335C1E7R2CB01#	
	1	OY.	0.001	±0.1pF	GJM0335C1E5R9BB01#						±0.5pF	GJM0335C1E7R2DB01#	
	NN.1	001		±0.25pF	GJM0335C1E5R9CB01#	77.		N	4	7.3pF	±0.05pF	GJM0335C1E7R3WB01#	
	WW.	100.		±0.5pF	GJM0335C1E5R9DB01#			W		7.001	±0.03pi	GJM0335C1E7R3BB01#	-
	111	100	6.0pF	±0.05pF	GJM0335C1E6R0WB01#	00.7		J. 1			±0.25pF	GJM0335C1E7R3CB01#	_
		- 10	0.0pi	±0.03pi	GJM0335C1E6R0BB01#	100		IM				GJM0335C1E7R3DB01#	_
	WIN	N.r.		<u> </u>	TALL THE TAL	10		WI		7.4pE	±0.5pF		_
		W.1		±0.25pF	GJM0335C1E6R0CB01#	170		1	d.	7.4pF	±0.05pF	GJM0335C1E7R4WB01#	
	1/1/1/		0.1-5	±0.5pF	GJM0335C1E6R0DB01#	N.1		$M_{JJ,J}$	-7		±0.1pF	GJM0335C1E7R4BB01#	
	W	NN	6.1pF	±0.05pF	GJM0335C1E6R1WB01#	1		T.M.	N		±0.25pF	GJM0335C1E7R4CB01#	_
		TWY		±0.1pF	GJM0335C1E6R1BB01#						±0.5pF	GJM0335C1E7R4DB01#	N.
				±0.25pF	GJM0335C1E6R1CB01#			OM	- XX	7.5pF	±0.05pF	GJM0335C1E7R5WB01#	M
		MAA	10	±0.5pF	GJM0335C1E6R1DB01#			MOD			±0.1pF	GJM0335C1E7R5BB01#	
		W	6.2pF	±0.05pF	GJM0335C1E6R2WB01#				TI			GJM0335C1E7R5CB01#	
				±0.1pF	GJM0335C1E6R2BB01#			V.CO	11	- N	±0.5pF	GJM0335C1E7R5DB01#	A
				±0.25pF	GJM0335C1E6R2CB01#			-7 CC	$M_{i}$	7.6pF	±0.05pF		7.0 -
				±0.5pF	GJM0335C1E6R2DB01#			07.	OM		±0.1pF	GJM0335C1E7R6BB01#	M.
			6.3pF	±0.05pF	GJM0335C1E6R3WB01#			00 Y.C	0.5		±0.25pF	GJM0335C1E7R6CB01#	
				±0.1pF	GJM0335C1E6R3BB01#			1	$CO_{D}$	7.	±0.5pF	GJM0335C1E7R6DB01#	Dia.
				±0.25pF	GJM0335C1E6R3CB01#			100X	CO	7.7pF	±0.05pF	GJM0335C1E7R7WB01#	101
				±0.5pF	GJM0335C1E6R3DB01#			1.1007			±0.1pF	GJM0335C1E7R7BB01#	
			6.4pF	±0.05pF	GJM0335C1E6R4WB01#			1	6.7 \ √		±0.25pF	GJM0335C1E7R7CB01#	.00
				±0.1pF	GJM0335C1E6R4BB01#			N.100	100 V	OM.	±0.5pF	GJM0335C1E7R7DB01#	J.C
				±0.25pF	GJM0335C1E6R4CB01#			W.10	101.	7.8pF	±0.05pF	GJM0335C1E7R8WB01#	
				±0.5pF	GJM0335C1E6R4DB01#	N			001		±0.1pF	GJM0335C1E7R8BB01#	27.
			6.5pF	±0.05pF	GJM0335C1E6R5WB01#	(X)		WW.	. 001		±0.25pF	GJM0335C1E7R8CB01#	000
				±0.1pF	GJM0335C1E6R5BB01#	T		owW.	700	T CC	±0.5pF	GJM0335C1E7R8DB01#	
				±0.25pF	GJM0335C1E6R5CB01#	LA			V.10	7.9pF	±0.05pF	GJM0335C1E7R9WB01#	
				±0.5pF	GJM0335C1E6R5DB01#	TV		MM.	1		±0.1pF	GJM0335C1E7R9BB01#	
			6.6pF	±0.05pF	GJM0335C1E6R6WB01#	10		WW	111.7		±0.25pF	GJM0335C1E7R9CB01#	
				±0.1pF	GJM0335C1E6R6BB01#	Mi		-	NW.		±0.5pF	GJM0335C1E7R9DB01#	
				±0.25pF	GJM0335C1E6R6CB01#	.17				8.0pF	±0.05pF	GJM0335C1E8R0WB01#	
				±0.5pF	GJM0335C1E6R6DB01#	7					±0.1pF	GJM0335C1E8R0BB01#	
			6.7pF	±0.05pF	GJM0335C1E6R7WB01#	Oz.					±0.25pF		
			•	±0.1pF	GJM0335C1E6R7BB01#						±0.5pF	GJM0335C1E8R0DB01#	

**GMA** Series

**GMD** Series GQM Series

**GRJ** Series

GR3 Series KRM Series

KR3 Series

**LLA Series** LLL Series

**LLM Series** 

**LLR Series** 

### GJM Series Temperature Compensating Type Part Number List

T max.	Rated Voltage	TC Code	Сар.	Tol.	Part Number	W.	T max.	Rated Voltage	TC Code	Сар.	Tol.	Part Number	
0.33mm	25Vdc	COG	8.1pF	±0.05pF	GJM0335C1E8R1WB01#	- XX	0.33mm	25Vdc	COG	9.4pF	±0.25pF	GJM0335C1E9R4CB01#	
			- T	±0.1pF	GJM0335C1E8R1BB01#			JU = -7 (	ON		±0.5pF	GJM0335C1E9R4DB01#	
	W		MAN	±0.25pF	GJM0335C1E8R1CB01#			001.		9.5pF	±0.05pF	GJM0335C1E9R5WB01#	
	TW		WY	±0.5pF	GJM0335C1E8R1DB01#			1007	Co	TI	±0.1pF	GJM0335C1E9R5BB01#	
	. 1		8.2pF	±0.05pF	GJM0335C1E8R2WB01#				J C	)Mr.	±0.25pF	GJM0335C1E9R5CB01#	
	TIN			±0.1pF	GJM0335C1E8R2BB01#			N.100	7.	$OM_{ij}$	±0.5pF	GJM0335C1E9R5DB01#	
		V		±0.25pF	GJM0335C1E8R2CB01#			W.10	01.	9.6pF	±0.05pF	GJM0335C1E9R6WB01#	
	Mr.	«XI		±0.5pF	GJM0335C1E8R2DB01#				ON.	CON	±0.1pF	GJM0335C1E9R6BB01#	
	$o_{M,j}$	1	8.3pF	±0.05pF	GJM0335C1E8R3WB01#	<b>4</b> 1		NN.1		CON	±0.25pF	GJM0335C1E9R6CB01#	
		LM		±0.1pF	GJM0335C1E8R3BB01#	-		-TXV	700		±0.5pF	GJM0335C1E9R6DB01#	
	$co_{M}$	TV		±0.25pF	GJM0335C1E8R3CB01#	W			100	9.7pF	±0.05pF	GJM0335C1E9R7WB01#	
	COD		×I	±0.5pF	GJM0335C1E8R3DB01#	TV.		WWW	1.2	ov.C	±0.1pF	GJM0335C1E9R7BB01#	
	00	V.T	8.4pF	±0.05pF	GJM0335C1E8R4WB01#				N.77	<b>3</b> 7 (	±0.25pF	GJM0335C1E9R7CB01#	
	Y.Co	M	0. ipi	±0.1pF	GJM0335C1E8R4BB01#	T.T.		111	TVV.	001.	±0.5pF	GJM0335C1E9R7DB01#	
	V.C	Diar.	TW	±0.25pF		1		W	1	9.8pF	±0.05pF	GJM0335C1E9R8WB01#	
	-7 (	OM	. 1	±0.5pF	GJM0335C1E8R4DB01#	Mr.		***	WW	3.0pi	±0.05pr	GJM0335C1E9R8BB01#	
	001.		0 EnE		× 100 ×	M				N.100		1	
	100Y	Co	8.5pF	±0.05pF	W CONTRACTOR				M.	-x1 10 <sup>0</sup>	±0.25pF	GJM0335C1E9R8CB01#	
			Mr.	±0.1pF	GJM0335C1E8R5BB01#				WW	00.5	±0.5pF	GJM0335C1E9R8DB01#	
	1.100		$OM_{II}$	±0.25pF		<del></del>				9.9pF	±0.05pF	GJM0335C1E9R9WB01#	
	W.10	N.C	- NA	±0.5pF	GJM0335C1E8R5DB01#				W	TIN.	±0.1pF	GJM0335C1E9R9BB01#	
		NY.	8.6pF	±0.05pF		<u> 7.0</u>			V		±0.25pF	GJM0335C1E9R9CB01#	
	VW.1		$CO_{N}$	±0.1pF	GJM0335C1E8R6BB01#			N	-		±0.5pF	GJM0335C1E9R9DB01#	
	WW.	1007	-01	±0.25pF	GJM0335C1E8R6CB01#	0 7.		- T		10pF	±2%	GJM0335C1E100GB01#	
		100	V.Co	±0.5pF	GJM0335C1E8R6DB01#	001				M.	±5%	GJM0335C1E100JB01#	
	WWW		8.7pF	±0.05pF	GJM0335C1E8R7WB01#	-00		TW		11pF	±2%	GJM0335C1E110GB01#	
	- 7.5.5	N.10	-7 C	±0.1pF	GJM0335C1E8R7BB01#	Too		- N			±5%	GJM0335C1E110JB01#	
	MAI	-xx1 1	001.	±0.25pF	GJM0335C1E8R7CB01#	110		I'I A	-7	12pF	±2%	GJM0335C1E120GB01#	
	WW	111.	. voor	±0.5pF	GJM0335C1E8R7DB01#			VIII	N		±5%	GJM0335C1E120JB01#	
	**************************************	NW	8.8pF	±0.05pF	GJM0335C1E8R8WB01#	Mar		TATE OF	W	13pF	±2%	GJM0335C1E130GB01#	
	1		1.700.	±0.1pF	GJM0335C1E8R8BB01#	M.		$OM_{*J}$			±5%	GJM0335C1E130JB01#	N
	V	144.	100	±0.25pF	GJM0335C1E8R8CB01#			Mo	1.11	15pF	±2%	GJM0335C1E150GB01#	
		WW	W	±0.5pF	GJM0335C1E8R8DB01#			_ 1	TV		±5%	GJM0335C1E150JB01#	W
			8.9pF	±0.05pF	GJM0335C1E8R9WB01#	W		$CO_{D}$		16pF	±2%	GJM0335C1E160GB01#	
			-TXN .1	±0.1pF	GJM0335C1E8R9BB01#	1		7 00	17.7		±5%	GJM0335C1E160JB01#	
		W		±0.25pF	GJM0335C1E8R9CB01#	111		Y.	W.T	18pF	±2%	GJM0335C1E180GB01#	1.
			VWW	±0.5pF	GJM0335C1E8R9DB01#	W		M.C.	- 1	WT	±5%	GJM0335C1E180JB01#	Λ
			9.0pF	±0.05pF	GJM0335C1E9R0WB01#			O.Y.C	$O_{N_I}$	20pF	±2%	GJM0335C1E200GB01#	7.4
			N. A.	±0.1pF	GJM0335C1E9R0BB01#				405	T.T.	±5%	GJM0335C1E200JB01#	) [
			WW	±0.25pF	GJM0335C1E9R0CB01#			100X		22pF	±2%	GJM0335C1E220GB01#	
			****	±0.5pF	GJM0335C1E9R0DB01#			1	CU.		±5%	GJM0335C1E220JB01#	
			9.1pF	±0.05pF				1.1007	<7 C	24pF	±2%	GJM0335C1E240GB01#	C
			V	±0.1pF	GJM0335C1E9R1BB01#			N.100	1.0	·Mo.	±5%	GJM0335C1E240JB01#	7 (
			-	±0.25pF				7.10	OV.	27pF	±2%	GJM0335C1E270GB01#	1
				±0.5pF	GJM0335C1E9R1DB01#	N		1M.70	ON	CO	±5%	GJM0335C1E270JB01#	N
			9.2pF	±0.05pF	3 100	. 41		WW.	001	30pF	±2%	GJM0335C1E300GB01#	~
			3.2pi	±0.1pF	GJM0335C1E9R2BB01#	-		75.75	100	оорі	±5%	GJM0335C1E300JB01#	90
				±0.25pF		TVV		VWW	- 10	33pF	±2%	GJM0335C1E330GB01#	
				-	3111-1	- 1		WW	1.70	SSPF	947	KN	
			0.0	±0.5pF	GJM0335C1E9R2DB01#	1.1			CI	0.00 =	±5%	GJM0335C1E330JB01#	
			9.3pF	±0.05pF		AT		WW	CK	0.20pF	±0.05pF	GJM0334C1ER20WB01#	
				±0.1pF	GJM0335C1E9R3BB01#	Nr.		W	M.W.		±0.1pF	GJM0334C1ER20BB01#	
				±0.25pF	30111-1	M		41		0.30pF	±0.05pF	GJM0334C1ER30WB01#	
				±0.5pF	GJM0335C1E9R3DB01#	<del></del> [					±0.1pF	GJM0334C1ER30BB01#	
			9.4pF	±0.05pF	GJM0335C1E9R4WB01#	$O_{2i}$				0.40pF	±0.05pF	GJM0334C1ER40WB01#	
				±0.1pF	GJM0335C1E9R4BB01#						±0.1pF	GJM0334C1ER40BB01#	

### GJM Series Temperature Compensating Type Part Number List

.33mm		Code	Cap.	Tol.	Part Number	W	max.	Rated Voltage	TC Code	Cap.	Tol.	Part Number
	25Vdc	CK	0.50pF	±0.05pF	GJM0334C1ER50WB01#		0.33mm	25Vdc	CJ	2.4pF	±0.25pF	GJM0333C1E2R4CB01#
				±0.1pF	GJM0334C1ER50BB01#			00 1	MO	2.5pF	±0.05pF	GJM0333C1E2R5WB01#
	W		0.60pF	±0.05pF	GJM0334C1ER60WB01#			001.	1	V.T.M	±0.1pF	GJM0333C1E2R5BB01#
Mr.	TV			±0.1pF	GJM0334C1ER60BB01#			1001	Co	T	±0.25pF	GJM0333C1E2R5CB01#
OM	TIL		0.70pF	±0.05pF	GJM0334C1ER70WB01#				J C	2.6pF	±0.05pF	GJM0333C1E2R6WB01#
	TIN		1	±0.1pF	GJM0334C1ER70BB01#			N.100	7.	$OM_{i,j}$	±0.1pF	GJM0333C1E2R6BB01#
COA	TT	N	0.80pF	±0.05pF	GJM0334C1ER80WB01#			-110	M.C	Ma	±0.25pF	GJM0333C1E2R6CB01#
cC	Mr	K X I		±0.1pF	GJM0334C1ER80BB01#			W.1	ooy.	2.7pF	±0.05pF	GJM0333C1E2R7WB01#
	$^{OWJ}$	77	0.90pF	±0.05pF	GJM0334C1ER90WB01#	<1		NN.1	0	COD	±0.1pF	GJM0333C1E2R7BB01#
Y.U		IM		±0.1pF	GJM0334C1ER90BB01#	<b>N</b>		WW.	100)		±0.25pF	GJM0333C1E2R7CB01#
V.	COM	TV	1.0pF	±0.05pF	GJM0334C1E1R0WB01#	W			. 100	2.8pF	±0.05pF	GJM0333C1E2R8WB01#
U ×	CON		1.0pi	±0.1pF	GJM0334C1E1R0BB01#	-111		NIVIV	1.10	2.001	±0.00pi	GJM0333C1E2R8BB01#
00)		T.IV			GJM0334C1E1R0CB01#			- XXI	N.1	JU 2		GJM0333C1E2R8CB01#
400	y.Co	W 17	11.5	±0.25pF	100	11		11/11	1	0.0-5	±0.25pF	
Too	N C	DM	1.1pF	±0.05pF	GJM0334C1E1R1WB01#	- 1		WV	M.	2.9pF	±0.05pF	GJM0333C1E2R9WB01#
1.10	07.	OM		±0.1pF	GJM0334C1E1R1BB01#	<u> </u>		-31	WW	Too	±0.1pF	GJM0333C1E2R9BB01#
· -x1 1	001.		TI	±0.25pF	GJM0334C1E1R1CB01#	~W		10		N.100	±0.25pF	GJM0333C1E2R9CB01#
W. 3	1001	$C_{O_I}$	1.2pF	±0.05pF	GJM0334C1E1R2WB01#	O.E.		1	MM.	3.0pF	±0.05pF	GJM0333C1E3R0WB01#
WW				±0.1pF	GJM0334C1E1R2BB01#				WV	11.10	±0.1pF	GJM0333C1E3R0BB01#
	1100		TIME	±0.25pF	GJM0334C1E1R2CB01#				1	W.1	±0.25pF	GJM0333C1E3R0CB01#
M.	100	Y.C	1.3pF	±0.05pF	GJM0334C1E1R3WB01#				M.	3.1pF	±0.05pF	GJM0333C1E3R1WB01#
XI W	M.700	~7 (		±0.1pF	GJM0334C1E1R3BB01#	J.C			1	MAI.	±0.1pF	GJM0333C1E3R1BB01#
	VV.10	10.	Mos	±0.25pF	GJM0334C1E1R3CB01#			s.ī		TIVI	±0.25pF	GJM0333C1E3R1CB01#
W	l' .	007	1.4pF	±0.05pF	GJM0334C1E1R4WB01#	01.				3.2pF	±0.05pF	GJM0333C1E3R2WB01#
N.	WW.	. 00		±0.1pF	GJM0334C1E1R4BB01#	007		W		MM	±0.1pF	GJM0333C1E3R2BB01#
	TANN	700		±0.25pF	GJM0334C1E1R4CB01#			TW		TVV	±0.25pF	GJM0333C1E3R2CB01#
	N	N 10	1.5pF	±0.05pF	GJM0334C1E1R5WB01#	700		. 1		3.3pF	±0.05pF	GJM0333C1E3R3WB01#
	MM	-7.1		±0.1pF	GJM0334C1E1R5BB01#	110		LIW		1	±0.1pF	GJM0333C1E3R3BB01#
	WW	W.)		±0.25pF	GJM0334C1E1R5CB01#	1		TV	Ī		±0.25pF	GJM0333C1E3R3CB01#
		XIVI	1.6pF	±0.05pF	GJM0334C1E1R6WB01#	$M_{\rm J}$		Mr.	W	3.4pF	±0.05pF	GJM0333C1E3R4WB01#
	N.		1100	±0.1pF	GJM0334C1E1R6BB01#	TXN		$M_{II}$	l` .		±0.1pF	GJM0333C1E3R4BB01#
				±0.25pF	GJM0334C1E1R6CB01#	4 4 4		_			±0.25pF	GJM0333C1E3R4CB01#
		AT W	1.7pF	±0.05pF	GJM0334C1E1R7WB01#	W		OM:	TV	3.5pF	±0.05pF	M. COR.
		MA .	TN 10	±0.1pF	GJM0334C1E1R7BB01#	-33		COM		«1	±0.1pF	GJM0333C1E3R5BB01#
		W		±0.25pF	GJM0334C1E1R7CB01#				$\Lambda$ . $\Gamma$		±0.25pF	- 1110°
		11	1 0nE	~ 47	JUE AND	W		Y.CO.	1	2.6nE	1	
			1.8pF	±0.05pF	GJM0334C1E1R8WB01#			V CC	Mr.	3.6pF	±0.05pF	
				±0.1pF	GJM0334C1E1R8BB01#			97.	Mo	7.	±0.1pF	GJM0333C1E3R6BB01#
				±0.25pF	GJM0334C1E1R8CB01#	_		00 Y.C			-	GJM0333C1E3R6CB01#
			1.9pF	±0.05pF	GJM0334C1E1R9WB01#			100Y	$CO_{L}$	3.7pF	±0.05pF	100
				±0.1pF	GJM0334C1E1R9BB01#			1	CO	M·r.	±0.1pF	GJM0333C1E3R7BB01#
				±0.25pF	GJM0334C1E1R9CB01#			1.1007		TIME	±0.25pF	GJM0333C1E3R7CB01#
			2.0pF	±0.05pF	GJM0334C1E2R0WB01#			100	Y.C	3.8pF	±0.05pF	GJM0333C1E3R8WB01#
				±0.1pF	GJM0334C1E2R0BB01#			M.To.	~J (	OM.	±0.1pF	GJM0333C1E3R8BB01#
				±0.25pF	GJM0334C1E2R0CB01#			JW.10	0.7.	LOD	±0.25pF	GJM0333C1E3R8CB01#
		CJ	2.1pF	±0.05pF	GJM0333C1E2R1WB01#	N			001	3.9pF	±0.05pF	GJM0333C1E3R9WB01#
				±0.1pF	GJM0333C1E2R1BB01#	(X)		$NN^{-1}$	-	V.CO	±0.1pF	GJM0333C1E3R9BB01#
				±0.25pF	GJM0333C1E2R1CB01#	1		UWW	100	ZI CC	±0.25pF	GJM0333C1E3R9CB01#
			2.2pF	±0.05pF	GJM0333C1E2R2WB01#	UAN		1	СН	4.0pF	±0.05pF	GJM0332C1E4R0WB01#
				±0.1pF	GJM0333C1E2R2BB01#	TI		WW	1.	nov.C	±0.1pF	GJM0332C1E4R0BB01#
				±0.25pF	GJM0333C1E2R2CB01#			-737	11.1	~~V	±0.25pF	
			2.3pF	±0.05pF	GJM0333C1E2R3WB01#	1.1		W.	W.	4.1pF	±0.05pF	
			- I <sub>5.5</sub>	±0.1pF	GJM0333C1E2R3BB01#	- N		W	1	"	±0.1pF	GJM0332C1E4R1BB01#
				±0.25pF	GJM0333C1E2R3CB01#	)///-					±0.25pF	
			2 /n=	±0.25pF	GJM0333C1E2R4WB01#	01				4 2n=	<u> </u>	GJM0332C1E4R2WB01#
			2.4pF	±0.05pF	GJM0333C1E2R4WB01#					4.2pF	±0.05pF	GJM0332C1E4R2BB01#

Number

**GMA** Series

**GMD** Series

GQM Series **GRJ** Series

GR3 Series KRM Series

### GJM Series Temperature Compensating Type Part Number List

 $(\rightarrow \blacksquare 0.6 \times 0.3 \text{mm})$ 

4.3pF	T max.	Rated Voltage	TC Code	Cap.	Tol.	Part Number	_ < 1 \ N 0 2	T ax.	Rated Voltage	TC Code	Cap.	Tol.	Part N
10.1pF	0.33mm	25Vdc	СН	4.2pF	±0.25pF	GJM0332C1E4R2CB01#	0.33	3mm	25Vdc	СН	5.8pF	±0.1pF	GJM0332C1
1.0.25p    GJM0332C1E4R4VB011				4.3pF	±0.05pF	GJM0332C1E4R3WB01#			-7 (	NO.		±0.25pF	GJM0332C1
4.4pF   0.05pF   GJM0332C1E4RAVB011   0.1pF   GJM033C1E4RAVB011   0.2pp   GJM033C1   0.0pp   GJM033C1E4RAVB011   0					±0.1pF	GJM0332C1E4R3BB01#	1111		100%	-01		±0.5pF	GJM0332C1
4.4pF   0.05pF   GJM0332C1E4RAVB011   0.1pF   GJM033C1E4RAVB011   0.2pp   GJM033C1   0.0pp   GJM033C1E4RAVB011   0		TW			±0.25pF	GJM0332C1E4R3CB01#	WW		1007	CO	5.9pF	±0.05pF	GJM0332C1
### ### ##############################		. 1		4.4pF	±0.05pF	GJM0332C1E4R4WB01#			.70	J.CC		±0.1pF	GJM0332C1
4.5pF		LIV			±0.1pF	GJM0332C1E4R4BB01#			N.100	-7 (		±0.25pF	GJM0332C1
20.1pF   GJM0332C1 EAR6B01#   20.2pF   GJM0332C1			N		±0.25pF	GJM0332C1E4R4CB01#	1		-x 10	01.		±0.5pF	GJM0332C1
### ### ### ### ### ### ### ### ### ##		Mr.	W	4.5pF	±0.05pF	GJM0332C1E4R5WB01#			1	ooy.	6.0pF	±0.05pF	GJM0332C1
4.6PF		$0_{M',j}$			±0.1pF	GJM0332C1E4R5BB01#	(X)		$MM^{-1}$	0~05		±0.1pF	GJM0332C1
4.6pf   10.05pf   GJM0332C1E4R6B019		.ovl	In		±0.25pF	GJM0332C1E4R5CB01#			-XIVI	700		±0.25pF	GJM0332C1
10.25pF GJM0332C1E4RP60B019 4.7pF 10.05pF GJM0332C1E4RP80B019 10.25pF GJM0332C1E4RP80B019 10.25pF GJM0332C1E4RP80B019 10.25pF GJM0332C1E4RP80B019 10.1pF GJM0332C1E4RP80B019 10.25pF GJM0332C1E4RP80B0		COm	TV	4.6pF	±0.05pF	GJM0332C1E4R6WB01#	CAN .			100		±0.5pF	GJM0332C1
4.7pF   ±0.05pF   GJM0332C1E4R7WB019   ±0.25pF   GJM0332C1E4R7CB019   ±0.25pF   GJM0332C1E4R8WB019   ±0.25pF   GJM0332C1E4R8B019   ±0.25pF   GJM0332C1E4R8B019   ±0.25pF   GJM0332C1E4R8B019   ±0.25pF   GJM0332C1E4R8B019   ±0.25pF   GJM0332C1E4R8B019   ±0.25pF   GJM0332C1E4R8B019   ±0.25pF   GJM0332C1E4R8B019   ±0.25pF   GJM0332C1E4R9WB019   ±0.25pF   GJM0332C1E4R9B019   ±0.25pF   GJM0332C1E4R9B019   ±0.25pF   GJM0332C1E4R9B019   ±0.25pF   GJM0332C1E5R0B019   ±0.25pF   GJM0332C1E5R0B019   ±0.25pF   GJM0332C1E5R0B019   ±0.25pF   GJM0332C1E5R0B019   ±0.25pF   GJM0332C1E5R0B019   ±0.25pF   GJM0332C1E5R0B019   ±0.25pF   GJM0332C1E5R1B019   ±0.25pF   GJM0332C1E5R1B019   ±0.25pF   GJM0332C1E5R1B019   ±0.25pF   GJM0332C1E5R1B019   ±0.25pF   GJM0332C1E5R1B019   ±0.25pF   GJM0332C1E5R1B019   ±0.25pF   GJM0332C1E5R1B019   ±0.25pF   GJM0332C1E5R1B019   ±0.25pF   GJM0332C1E5R1B019   ±0.25pF   GJM0332C1E5R1B019   ±0.25pF   GJM0332C1E5R2B019   ±0.25pF   GJM0332C1E5R2B019   ±0.25pF   GJM0332C1E5R2B019   ±0.25pF   GJM0332C1E5R3B		$CO_{\tilde{D}}$	1.		±0.1pF	GJM0332C1E4R6BB01#	TV		WWN	10	6.1pF	±0.05pF	GJM0332C1
4.7pF   ±0.05pF   GJM0332C1E4R7WB019   ±0.25pF   GJM0332C1E4R7CB019   ±0.25pF   GJM0332C1E4R8WB019   ±0.25pF   GJM0332C1E4R8B019   ±0.25pF   GJM0332C1E4R8B019   ±0.25pF   GJM0332C1E4R8B019   ±0.25pF   GJM0332C1E4R8B019   ±0.25pF   GJM0332C1E4R8B019   ±0.25pF   GJM0332C1E4R8B019   ±0.25pF   GJM0332C1E4R8B019   ±0.25pF   GJM0332C1E4R9WB019   ±0.25pF   GJM0332C1E4R9B019   ±0.25pF   GJM0332C1E4R9B019   ±0.25pF   GJM0332C1E4R9B019   ±0.25pF   GJM0332C1E5R0B019   ±0.25pF   GJM0332C1E5R0B019   ±0.25pF   GJM0332C1E5R0B019   ±0.25pF   GJM0332C1E5R0B019   ±0.25pF   GJM0332C1E5R0B019   ±0.25pF   GJM0332C1E5R0B019   ±0.25pF   GJM0332C1E5R1B019   ±0.25pF   GJM0332C1E5R1B019   ±0.25pF   GJM0332C1E5R1B019   ±0.25pF   GJM0332C1E5R1B019   ±0.25pF   GJM0332C1E5R1B019   ±0.25pF   GJM0332C1E5R1B019   ±0.25pF   GJM0332C1E5R1B019   ±0.25pF   GJM0332C1E5R1B019   ±0.25pF   GJM0332C1E5R1B019   ±0.25pF   GJM0332C1E5R1B019   ±0.25pF   GJM0332C1E5R2B019   ±0.25pF   GJM0332C1E5R2B019   ±0.25pF   GJM0332C1E5R2B019   ±0.25pF   GJM0332C1E5R3B		- c0	M.r		±0.25pF	GJM0332C1E4R6CB01#			TATAN	11.77		±0.1pF	GJM0332C1
10.1pF   GJM0332C1E4R7BB01#   10.5pF   GJM0332C1E4R7BB01#   10.5pF   GJM0332C1E4R8BB01#   10.1pF   GJM0332C1E4R8BB01#   10.25pF   GJM0332C1E4R8BB01#   10.5pF   GJM0332C1E4R8BB01#   10.5pF   GJM0332C1E4R8BB01#   10.5pF   GJM0332C1E4R8BB01#   10.5pF   GJM0332C1E4R8BB01#   10.5pF   GJM0332C1E4R9BB01#   10.5pF   GJM0332C1E4R9BB01#   10.5pF   GJM0332C1E4R9BB01#   10.5pF   GJM0332C1E4R9BB01#   10.5pF   GJM0332C1E4R9BB01#   10.5pF   GJM0332C1E4R9BB01#   10.5pF   GJM0332C1E4R9BB01#   10.5pF   GJM0332C1E5R0B01#   10.5pF   GJM0332C1E5R0B01#   10.5pF   GJM0332C1E5R0B01#   10.5pF   GJM0332C1E5R0B01#   10.5pF   GJM0332C1E5R1BB01#   10.5pF   GJM0332C1E5R1BB01#   10.5pF   GJM0332C1E5R1BB01#   10.5pF   GJM0332C1E5R1BB01#   10.5pF   GJM0332C1E5R1BB01#   10.5pF   GJM0332C1E5R1BB01#   10.5pF   GJM0332C1E5R2BB01#   10.5pF   GJM0332C1E5R2BB01#   10.5pF   GJM0332C1E5R2BB01#   10.5pF   GJM0332C1E5R2BB01#   10.5pF   GJM0332C1E5R2BB01#   10.5pF   GJM0332C1E5R2BB01#   10.5pF   GJM0332C1E5R2BB01#   10.5pF   GJM0332C1E5R3BB01#   10.5pF		1.0	M	4.7pF	±0.05pF	GJM0332C1E4R7WB01#	1.1			TW.		±0.25pF	GJM0332C1
4.8pF ±0.05pF GJM0332C1E4R8B01# ±0.1pF GJM0332C1E4R8B01# ±0.25pF GJM0332C1E4R8B01# ±0.25pF GJM0332C1E4R8B01# ±0.25pF GJM0332C1E4R9B01# ±0.25pF GJM0332C1E4R9B01# ±0.25pF GJM0332C1E4R9B01# ±0.25pF GJM0332C1E4R9B01# ±0.25pF GJM0332C1E4R9B01# ±0.25pF GJM0332C1E5R0B01# ±0.25pF GJM0332C1E5R0B01# ±0.5pF GJM0332C1E5R0B01# ±0.5pF GJM0332C1E5R0B01# ±0.25pF GJM0332C1E5R0B01# ±0.25pF GJM0332C1E5R0B01# ±0.25pF GJM0332C1E5R1B01# ±0.25pF GJM0332C1E5R1B01# ±0.25pF GJM0332C1E5R1B01# ±0.25pF GJM0332C1E5R1B01# ±0.25pF GJM0332C1E5R1B01# ±0.25pF GJM0332C1E5R1B01# ±0.25pF GJM0332C1E5R1B01# ±0.25pF GJM0332C1E5R1B01# ±0.25pF GJM0332C1E5R2B01# ±0.25pF GJM0332C1E5R2B01# ±0.25pF GJM0332C1E5R2B01# ±0.25pF GJM0332C1E5R2B01# ±0.25pF GJM0332C1E5R2B01# ±0.25pF GJM0332C1E5R2B01# ±0.25pF GJM0332C1E5R2B01# ±0.25pF GJM0332C1E5R3B01# ±0.25pF GJM0332		NY.C	95.		±0.1pF	GJM0332C1E4R7BB01#	MIN		11/1			±0.5pF	GJM0332C1
### ### #############################		~ C	ON		±0.25pF	GJM0332C1E4R7CB01#	TW		W	MAA	6.2pF	±0.05pF	GJM0332C1
1-0.25pF GJM0332C1E4R8CB01#		00 7.	CON	4.8pF	±0.05pF	GJM0332C1E4R8WB01#	OM.			et W	N'In	±0.1pF	GJM0332C1
4.9pF		1007		M.TV	±0.1pF	GJM0332C1E4R8BB01#	T.MO					±0.25pF	GJM0332C1
### 10.1pF GJM0332C1E4R9BB01# ### 10.25pF GJM0332C1E4R0C01# ### 10.5pF GJM0332C1E4R0C01# ### 10.5pF GJM0332C1E5R0C01# ### 10.5pF GJM0332C1E5R0C01# ### 10.5pF GJM0332C1E5R0C01# ### 10.5pF GJM0332C1E5R0C01# ### 10.5pF GJM0332C1E5R0C01# ### 10.5pF GJM0332C1E5R0C01# ### 10.5pF GJM0332C1E5R0C01# ### 10.5pF GJM0332C1E5R0C01# ### 10.5pF GJM0332C1E5R1B001# ### 10.5pF GJM0332C1E5R1B001# ### 10.5pF GJM0332C1E5R1B001# ### 10.5pF GJM0332C1E5R1B001# ### 10.5pF GJM0332C1E5R1B001# ### 10.5pF GJM0332C1E5R1B001# ### 10.5pF GJM0332C1E5R2B001# ### 10.5pF GJM0332C1E5R2B001# ### 10.5pF GJM0332C1E5R2B001# ### 10.5pF GJM0332C1E5R2B001# ### 10.5pF GJM0332C1E5R2B001# ### 10.5pF GJM0332C1E5R2B001# ### 10.5pF GJM0332C1E5R2B001# ### 10.5pF GJM0332C1E5R2B001# ### 10.5pF GJM0332C1E5R2B001# ### 10.5pF GJM0332C1E5R2B001# ### 10.5pF GJM0332C1E5R2B001# ### 10.5pF GJM0332C1E5R2B001# ### 10.5pF GJM0332C1E5R2B001# ### 10.5pF GJM0332C1E5R2B001# ### 10.5pF GJM0332C1E5R2B001# ### 10.5pF GJM0332C1E5R3D001# ### 10.5pF GJM0			I.Cu		±0.25pF	GJM0332C1E4R8CB01#	VI.IV			MN		±0.5pF	GJM0332C1
### 10.1pF GJM0332C1E4R9BB01# ### 10.25pF GJM0332C1E4R0C01# ### 10.5pF GJM0332C1E4R0C01# ### 10.5pF GJM0332C1E5R0C01# ### 10.5pF GJM0332C1E5R0C01# ### 10.5pF GJM0332C1E5R0C01# ### 10.5pF GJM0332C1E5R0C01# ### 10.5pF GJM0332C1E5R0C01# ### 10.5pF GJM0332C1E5R0C01# ### 10.5pF GJM0332C1E5R0C01# ### 10.5pF GJM0332C1E5R0C01# ### 10.5pF GJM0332C1E5R1B001# ### 10.5pF GJM0332C1E5R1B001# ### 10.5pF GJM0332C1E5R1B001# ### 10.5pF GJM0332C1E5R1B001# ### 10.5pF GJM0332C1E5R1B001# ### 10.5pF GJM0332C1E5R1B001# ### 10.5pF GJM0332C1E5R2B001# ### 10.5pF GJM0332C1E5R2B001# ### 10.5pF GJM0332C1E5R2B001# ### 10.5pF GJM0332C1E5R2B001# ### 10.5pF GJM0332C1E5R2B001# ### 10.5pF GJM0332C1E5R2B001# ### 10.5pF GJM0332C1E5R2B001# ### 10.5pF GJM0332C1E5R2B001# ### 10.5pF GJM0332C1E5R2B001# ### 10.5pF GJM0332C1E5R2B001# ### 10.5pF GJM0332C1E5R2B001# ### 10.5pF GJM0332C1E5R2B001# ### 10.5pF GJM0332C1E5R2B001# ### 10.5pF GJM0332C1E5R2B001# ### 10.5pF GJM0332C1E5R2B001# ### 10.5pF GJM0332C1E5R3D001# ### 10.5pF GJM0		1.In	J C	4.9pF	-		COM			W	6.3pF	< i C	GJM0332C1
### ### ##############################		v.10'	) 7.	MO.		31 100	1 COM.				WW.		
5.0pF       ±0.5pF       GJM0332C1ESR0B001#       ±0.5pF       GJM0332C1ESR0B01#         5.1pF       ±0.05pF       GJM0332C1ESR0B01#       ±0.1pF       GJM0332C1ESR0B01#         5.1pF       ±0.05pF       GJM0332C1ESR1B001#       ±0.5pF       GJM0332C1ESR1B001#         ±0.5pF       GJM0332C1ESR1B001#       6.5pF       ±0.05pF       GJM0332C1ESR1B001#         ±0.5pF       GJM0332C1ESR2WB01#       ±0.5pF       GJM0332C1ESR2B01#         ±0.1pF       GJM0332C1ESR2B001#       ±0.5pF       GJM0332C1ESR2B01#         ±0.5pF       GJM0332C1ESR2B01#       ±0.5pF       GJM0332C1         ±0.1pF       GJM0332C1ESR2B01#       ±0.5pF       GJM0332C1         ±0.5pF       GJM0332C1ESR3B01#       ±0.5pF       GJM0332C1         ±0.5pF       GJM0332C1ESR3B01#       ±0.5pF       GJM0332C1         ±0.5pF       GJM0332C1ESR3B01#       ±0.5pF       GJM0332C1         ±0.5pF       GJM0332C1ESR4W801#       ±0.5pF       GJM0332C1         ±0.5pF       GJM0332C1ESR4B801#       ±0.5pF       GJM0332C1         ±0.5pF       GJM0332C1ESR3B01#       ±0.5pF       GJM0332C1         ±0.5pF       GJM0332C1ESR5B801#       ±0.5pF       GJM0332C1         ±0.5pF       GJM0332C1ESR5B801# <t< td=""><td></td><td>- 11</td><td>01.</td><td></td><td>11/1/</td><td></td><td>TOM:</td><td></td><td>1</td><td></td><td></td><td>100.</td><td></td></t<>		- 11	01.		11/1/		TOM:		1			100.	
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#0.5pF GJM0332C1E5R4WB01#  #0.1pF GJM0332C1E5R4WB01#  #0.1pF GJM0332C1E5R4WB01#  #0.25pF GJM0332C1E5R4WB01#  #0.5pF GJM0332C1E5R4CB01#  #0.5pF GJM0332C1E5R4DB01#  #0.5pF GJM0332C1E5R4DB01#  #0.5pF GJM0332C1E5R5BB01#  #0.1pF GJM0332C1E5R5BB01#  #0.5pF GJM0332C1E5R5BB01#  #0.5pF GJM0332C1E5R5BB01#  #0.5pF GJM0332C1E5R5BB01#  #0.5pF GJM0332C1E5R5BB01#  #0.5pF GJM0332C1E5R6BB01#  #0.5pF GJM0332C1E5R6BB01#  #0.5pF GJM0332C1E5R6BB01#  #0.5pF GJM0332C1E5R6BB01#  #0.5pF GJM0332C1E5R6BB01#  #0.5pF GJM0332C1E5R6BB01#  #0.5pF GJM0332C1E5R6BB01#  #0.5pF GJM0332C1E5R6BB01#  #0.5pF GJM0332C1E5R6BB01#  #0.5pF GJM0332C1E5R6BB01#  #0.5pF GJM0332C1E5R6BB01#  #0.5pF GJM0332C1E5R7BB01#  #0.5pF GJM0332C1E5R7BB01#  #0.5pF GJM0332C1E5R7BB01#  #0.5pF GJM0332C1E5R7BB01#  #0.5pF GJM0332C1E5R7BB01#  #0.5pF GJM0332C1E5R7BB01#  #0.5pF GJM0332C1E5R7BB01#  #0.5pF GJM0332C1E5R7BB01#  #0.5pF GJM0332C1E5R7BB01#  #0.5pF GJM0332C1E5R7BB01#  #0.5pF GJM0332C1E5R7BB01#  #0.5pF GJM0332C1E5R7BB01#					10.	CONTRACTOR			V.CC	) IAz.	6.7nF		
### 10.05pF GJM0332C1E5R4BB01# #					1100	~~!	N N		-7 C	$O_{M}$		· ·	- 311
#0.1pF GJM0332C1E5R4BB01# #0.25pF GJM0332C1E5R4CB01# #0.5pF GJM0332C1E5R4CB01# #0.5pF GJM0332C1E5R4DB01# #0.1pF GJM0332C1E5R5BB01# #0.25pF GJM0332C1E5R5BB01# #0.5pF GJM0332C1E5R5CB01# #0.5pF GJM0332C1E5R5CB01# #0.5pF GJM0332C1E5R5DB01# #0.1pF GJM0332C1E5R5DB01# #0.1pF GJM0332C1E5R5DB01# #0.1pF GJM0332C1E5R6BB01# #0.25pF GJM0332C1E5R6BB01# #0.5pF GJM0332C1E5R6BB01# #0.5pF GJM0332C1E5R6BB01# #0.5pF GJM0332C1E5R6BB01# #0.5pF GJM0332C1E5R6BB01# #0.5pF GJM0332C1E5R6BB01# #0.5pF GJM0332C1E5R6BB01# #0.5pF GJM0332C1E5R6BB01# #0.5pF GJM0332C1E5R6BB01# #0.5pF GJM0332C1E5R6BB01# #0.5pF GJM0332C1E5R7BB01# #0.5pF GJM0332C1E5R7BB01# #0.5pF GJM0332C1E5R7BB01# #0.5pF GJM0332C1E5R7BB01# #0.5pF GJM0332C1E5R7DB01# #0.5pF GJM0332C1E5R7DB01#				5.4pF	400				001.				
### ##################################				0трі		V C	- WW.		OOY.				4/1/1/
#0.5pF GJM0332C1E5R5WB01#  #0.1pF GJM0332C1E5R5WB01#  #0.1pF GJM0332C1E5R5BB01#  #0.5pF GJM0332C1E5R5BB01#  #0.5pF GJM0332C1E5R5DB01#  #0.5pF GJM0332C1E5R5DB01#  #0.5pF GJM0332C1E5R5DB01#  #0.5pF GJM0332C1E5R6BB01#  #0.5pF GJM0332C1E5R6BB01#  #0.5pF GJM0332C1E5R6BB01#  #0.5pF GJM0332C1E5R6DB01#  #0.5pF GJM0332C1E5R6DB01#  #0.5pF GJM0332C1E5R6DB01#  #0.5pF GJM0332C1E5R6DB01#  #0.5pF GJM0332C1E5R6DB01#  #0.5pF GJM0332C1E5R6DB01#  #0.5pF GJM0332C1E5R6DB01#  #0.5pF GJM0332C1E5R7BB01#  #0.5pF GJM0332C1E5R7BB01#  #0.5pF GJM0332C1E5R7DB01#  #0.5pF GJM0332C1E5R7DB01#  #0.5pF GJM0332C1E5R7DB01#  #0.5pF GJM0332C1E5R7DB01#  #0.5pF GJM0332C1E5R7DB01#  #0.5pF GJM0332C1E5R7DB01#							- W			$^{\circ}CO$	6.8nF	hi i	
5.5pF ±0.05pF GJM0332C1E5R5WB01# ±0.1pF GJM0332C1E5R5BB01# ±0.5pF GJM0332C1  ±0.5pF GJM0332C1E5R5CB01# ±0.05pF GJM0332C1  ±0.5pF GJM0332C1E5R5DB01# ±0.1pF GJM0332C1  5.6pF ±0.05pF GJM0332C1E5R6WB01# ±0.25pF GJM0332C1  ±0.1pF GJM0332C1E5R6BB01# ±0.5pF GJM0332C1  ±0.5pF GJM0332C1E5R6CB01# ±0.05pF GJM0332C1  ±0.5pF GJM0332C1E5R6DB01# ±0.05pF GJM0332C1  ±0.5pF GJM0332C1E5R6DB01# ±0.05pF GJM0332C1  ±0.05pF GJM0332C1E5R7DB01# ±0.05pF GJM0332C1  ±0.05pF GJM0332C1E5R7DB01# ±0.05pF GJM0332C1  ±0.05pF GJM0332C1E5R7CB01# ±0.05pF GJM0332C1  ±0.05pF GJM0332C1E5R7DB01# ±0.05pF GJM0332C1					-311	30.5			1	-7 1	0.opi		
#0.1pF GJM0332C1E5R5BB01# #0.25pF GJM0332C1E5R5CB01# #0.5pF GJM0332C1E5R5CB01# #0.5pF GJM0332C1E5R5CB01# #0.1pF GJM0332C1E5R6CB01# #0.1pF GJM0332C1E5R6CB01# #0.25pF GJM0332C1E5R6CB01# #0.5pF GJM0332C1E5R6CB01# #0.5pF GJM0332C1E5R6CB01# #0.5pF GJM0332C1E5R6CB01# #0.5pF GJM0332C1E5R6CB01# #0.5pF GJM0332C1E5R6CB01# #0.5pF GJM0332C1E5R6CB01# #0.5pF GJM0332C1E5R7CB01# #0.5pF GJM0332C1E5R7CB01# #0.5pF GJM0332C1E5R7CB01# #0.5pF GJM0332C1E5R7CB01# #0.5pF GJM0332C1E5R7CB01# #0.5pF GJM0332C1E5R7CB01# #0.5pF GJM0332C1E5R7CB01# #0.5pF GJM0332C1E5R7CB01# #0.5pF GJM0332C1E5R7CB01#				5 5pE			- W.		X 100	1		<u> </u>	
#0.25pF GJM0332C1E5R5DB01#  #0.5pF GJM0332C1E5R6WB01#  #0.1pF GJM0332C1E5R6BB01#  #0.25pF GJM0332C1E5R6BB01#  #0.5pF GJM0332C1E5R6CB01#  #0.5pF GJM0332C1E5R6DB01#  #0.5pF GJM0332C1E5R6DB01#  #0.5pF GJM0332C1E5R6DB01#  #0.5pF GJM0332C1E5R7WB01#  #0.5pF GJM0332C1E5R7BB01#  #0.5pF GJM0332C1E5R7CB01#  #0.5pF GJM0332C1E5R7CB01#  #0.5pF GJM0332C1E5R7CB01#  #0.5pF GJM0332C1E5R7DB01#  #0.5pF GJM0332C1E5R7DB01#  #0.5pF GJM0332C1E5R7DB01#				3.5pi			- 1					- 1 N	
#0.5pF GJM0332C1E5R5DB01#  5.6pF #0.05pF GJM0332C1E5R6WB01#  #0.1pF GJM0332C1E5R6BB01#  #0.5pF GJM0332C1E5R6BB01#  #0.5pF GJM0332C1E5R6CB01#  #0.5pF GJM0332C1E5R6DB01#  #0.5pF GJM0332C1E5R6DB01#  #0.5pF GJM0332C1E5R7WB01#  #0.5pF GJM0332C1E5R7BB01#  #0.5pF GJM0332C1E5R7CB01#  #0.5pF GJM0332C1E5R7CB01#  #0.5pF GJM0332C1E5R7CB01#  #0.5pF GJM0332C1E5R7CB01#  #0.1pF GJM0332C1  #0.5pF GJM0332C1  #0.5pF GJM0332C1  #0.5pF GJM0332C1  #0.5pF GJM0332C1  #0.5pF GJM0332C1  #0.5pF GJM0332C1  #0.5pF GJM0332C1  #0.5pF GJM0332C1  #0.5pF GJM0332C1  #0.5pF GJM0332C1  #0.5pF GJM0332C1  #0.5pF GJM0332C1  #0.5pF GJM0332C1					- 11				M. 7.		6 0pE	-31	- 1
5.6pF ±0.05pF GJM0332C1E5R6WB01# ±0.1pF GJM0332C1E5R6BB01# ±0.5pF GJM0332C1  ±0.5pF GJM0332C1E5R6CB01# ±0.05pF GJM0332C1  ±0.5pF GJM0332C1E5R6DB01# ±0.1pF GJM0332C1  5.7pF ±0.05pF GJM0332C1E5R7WB01# ±0.25pF GJM0332C1  ±0.1pF GJM0332C1E5R7BB01# ±0.05pF GJM0332C1  ±0.5pF GJM0332C1E5R7CB01# ±0.05pF GJM0332C1  ±0.1pF GJM0332C1E5R7CB01# ±0.05pF GJM0332C1  ±0.1pF GJM0332C1  ±0.1pF GJM0332C1						3 100 × 001.			NIW.	00 .	о.эрг	A	
#0.5pF GJM0332C1E5R6CB01#  #0.25pF GJM0332C1E5R6CB01#  #0.5pF GJM0332C1E5R6DB01#  #0.05pF GJM0332C1E5R7WB01#  #0.1pF GJM0332C1E5R7WB01#  #0.25pF GJM0332C1E5R7CB01#  #0.25pF GJM0332C1E5R7CB01#  #0.25pF GJM0332C1E5R7CB01#  #0.1pF GJM0332C1E5R7CB01#  #0.1pF GJM0332C1E5R7CB01#  #0.1pF GJM0332C1E5R7CB01#  #0.1pF GJM0332C1  #0.1pF GJM0332C1  #0.1pF GJM0332C1  #0.1pF GJM0332C1				E enE	- N.	4003.			1 7	100			
### ### ##############################				5.6pr	- 31		CVI		MAN	- 10		- 117	N
#0.5pF GJM0332C1E5R6DB01#  5.7pF ±0.05pF GJM0332C1E5R7WB01#  ±0.1pF GJM0332C1  ±0.5pF GJM0332C1  ±0.5pF GJM0332C1  ±0.5pF GJM0332C1  ±0.5pF GJM0332C1  ±0.5pF GJM0332C1  ±0.1pF GJM0332C1  ±0.5pF GJM0332C1  ±0.1pF GJM0332C1						3111-1	T XX		THE STATE OF	1.10	70-5	D. VIII	KX
5.7pF ±0.05pF <b>GJM0332C1E5R7WB01#</b> ±0.25pF <b>GJM0332C1</b> ±0.1pF <b>GJM0332C1E5R7BB01#</b> ±0.5pF <b>GJM0332C1</b> ±0.25pF <b>GJM0332C1E5R7CB01#</b> 7.1pF ±0.05pF <b>GJM0332C1</b> ±0.5pF <b>GJM0332C1</b> ±0.1pF <b>GJM0332C1</b>						-31 10 <sup>10</sup> - 31	1.11			11 .7		10/4 pm	
5./pF ±0.05pF GJM0332C1E5R7WB01# ±0.1pF GJM0332C1E5R7BB01# ±0.25pF GJM0332C1E5R7CB01# ±0.25pF GJM0332C1E5R7CB01# ±0.5pF GJM0332C1 ±0.1pF GJM0332C1 ±0.1pF GJM0332C1							WELL		MM	1		· ·	
±0.25pF				5./pF			TW		1	MM.		· ·	
±0.5pF <b>GJM0332C1E5R7DB01#</b> ±0.1pF <b>GJM0332C1</b>					-		M		1		<b>.</b>	· ·	
						- 1	T.IVO				7.1pF		
					· ·	- 100 3 - 100 3 - 3	0,					<u> </u>	
				5.8pF	±0.05pF	GJM0332C1E5R8WB01#	<u> </u>					±0.25pF	GJM0332C1

ode	Сар.	101.	Part Number	
СН	5.8pF	±0.1pF	GJM0332C1E5R8BB01#	
ON		±0.25pF	GJM0332C1E5R8CB01#	
		±0.5pF	GJM0332C1E5R8DB01#	
	5.9pF	±0.05pF	GJM0332C1E5R9WB01#	
C		±0.1pF	GJM0332C1E5R9BB01#	
-1 C		±0.25pF	GJM0332C1E5R9CB01#	
1.0		±0.5pF	GJM0332C1E5R9DB01#	
OY.	6.0pF	±0.05pF	GJM0332C1E6R0WB01#	
. 05		±0.1pF	GJM0332C1E6R0BB01#	
OO !		±0.25pF	GJM0332C1E6R0CB01#	
100		±0.5pF	GJM0332C1E6R0DB01#	
- 10	6.1pF	±0.05pF	GJM0332C1E6R1WB01#	
1.1		±0.1pF	GJM0332C1E6R1BB01#	
W.		±0.25pF	GJM0332C1E6R1CB01#	
		±0.5pF	GJM0332C1E6R1DB01#	
111	6.2pF	±0.05pF	GJM0332C1E6R2WB01#	
W		±0.1pF	GJM0332C1E6R2BB01#	
- 1		±0.25pF	GJM0332C1E6R2CB01#	
N.A.		±0.5pF	GJM0332C1E6R2DB01#	
W	6.3pF	±0.05pF	GJM0332C1E6R3WB01#	
*1		±0.1pF	GJM0332C1E6R3BB01#	
		±0.25pF	GJM0332C1E6R3CB01#	
1		±0.5pF	GJM0332C1E6R3DB01#	
Ì	6.4pF	±0.05pF	GJM0332C1E6R4WB01#	
		±0.1pF	GJM0332C1E6R4BB01#	
		±0.25pF	GJM0332C1E6R4CB01#	
		±0.5pF	GJM0332C1E6R4DB01#	
Ī	6.5pF	±0.05pF	GJM0332C1E6R5WB01#	
V.		±0.1pF	GJM0332C1E6R5BB01#	
- <b>S</b> T		±0.25pF	GJM0332C1E6R5CB01#	N
11		±0.5pF	GJM0332C1E6R5DB01#	-1
ſΝ	6.6pF	±0.05pF	GJM0332C1E6R6WB01#	IN
		±0.1pF	GJM0332C1E6R6BB01#	TV
1. 1		±0.25pF	GJM0332C1E6R6CB01#	
1.7		±0.5pF	GJM0332C1E6R6DB01#	1.7
71	6.7pF	±0.05pF	GJM0332C1E6R7WB01#	M.
) IA 2		±0.1pF	GJM0332C1E6R7BB01#	74-
OD		±0.25pF	GJM0332C1E6R7CB01#	$\mathcal{I}_{M_1}$
<u> </u>	$M_{-1}$	±0.5pF	GJM0332C1E6R7DB01#	10
	6.8pF	±0.05pF	GJM0332C1E6R8WB01#	
į.C		±0.1pF	GJM0332C1E6R8BB01#	Cr
<b>~</b> 7 (		±0.25pF	GJM0332C1E6R8CB01#	1 C
1.	Mos	±0.5pF	GJM0332C1E6R8DB01#	-
07	6.9pF	±0.05pF	GJM0332C1E6R9WB01#	17.
001		±0.1pF	GJM0332C1E6R9BB01#	107
TOO		±0.25pF	GJM0332C1E6R9CB01#	
.10	) »·	±0.5pF	GJM0332C1E6R9DB01#	
x 1	7.0pF	±0.05pF	GJM0332C1E7R0WB01#	
14.		±0.1pF	GJM0332C1E7R0BB01#	
W.		±0.25pF	GJM0332C1E7R0CB01#	
ļ		±0.5pF	GJM0332C1E7R0DB01#	
	7.1pF	±0.05pF	GJM0332C1E7R1WB01#	
		±0.1pF	GJM0332C1E7R1BB01#	
		±0.25pF	GJM0332C1E7R1CB01#	
	Part nur	nber # indic	cates the package specification	code.

### GJM Series Temperature Compensating Type Part Number List

T max.	Rated Voltage	TC Code	Сар.	Tol.	Part Number	NI V	T max.	Rated Voltage	TC Code	Cap.	Tol.	Part Number	
).33mm	25Vdc	СН	7.1pF	±0.5pF	GJM0332C1E7R1DB01#		0.33mm	25Vdc	СН	8.5pF	±0.1pF	GJM0332C1E8R5BB01#	
			7.2pF	±0.05pF	GJM0332C1E7R2WB01#			W 1.	NO.		±0.25pF	GJM0332C1E8R5CB01#	
	W			±0.1pF	GJM0332C1E7R2BB01#			001.	- 01		±0.5pF	GJM0332C1E8R5DB01#	
	TW			±0.25pF	GJM0332C1E7R2CB01#			1001	Co	8.6pF	±0.05pF	GJM0332C1E8R6WB01#	
	.7.			±0.5pF	GJM0332C1E7R2DB01#				J CC		±0.1pF	GJM0332C1E8R6BB01#	
	TIN		7.3pF	±0.05pF	GJM0332C1E7R3WB01#			N.100	7.		±0.25pF	GJM0332C1E8R6CB01#	
	TT	V		±0.1pF	GJM0332C1E7R3BB01#			W.10	01.		±0.5pF	GJM0332C1E8R6DB01#	
	Mr	N		±0.25pF	GJM0332C1E7R3CB01#			11.2	ov.	8.7pF	±0.05pF	GJM0332C1E8R7WB01#	
	$OM_{ij}$			±0.5pF	GJM0332C1E7R3DB01#	<b>«</b> 1		NW.1		CON	±0.1pF	GJM0332C1E8R7BB01#	
		LIN	7.4pF	±0.05pF	GJM0332C1E7R4WB01#	1		WW.	700,		±0.25pF	GJM0332C1E8R7CB01#	
	COM			±0.1pF	GJM0332C1E7R4BB01#	W			- 100		±0.5pF	GJM0332C1E8R7DB01#	
	CON	1. r		±0.25pF	GJM0332C1E7R4CB01#			NVV	1.10	8.8pF	±0.05pF	GJM0332C1E8R8WB01#	
		V.T		±0.5pF	GJM0332C1E7R4DB01#			- XX	W.11	o.opi		GJM0332C1E8R8BB01#	
	Y.CO		7.555		400	13		MAIN	_ 1		±0.1pF		
	V C	M.	7.5pF	±0.05pF	GJM0332C1E7R5WB01#	120		WV	1111		±0.25pF	GJM0332C1E8R8CB01#	
	01.	MO		±0.1pF	GJM0332C1E7R5BB01#	M.			WW	700	±0.5pF	GJM0332C1E8R8DB01#	
	001.			±0.25pF	GJM0332C1E7R5CB01#			1/1		8.9pF	±0.05pF	GJM0332C1E8R9WB01#	
	. anv.	$C_{O_{\vec{r}}}$	- 17	±0.5pF	GJM0332C1E7R5DB01#	O.F.		1			±0.1pF	GJM0332C1E8R9BB01#	
	100X	7 C.C	7.6pF	±0.05pF	GJM0332C1E7R6WB01#	40)			WW		±0.25pF	GJM0332C1E8R9CB01#	
	1100			±0.1pF	GJM0332C1E7R6BB01#	-6				W.1	±0.5pF	GJM0332C1E8R9DB01#	
	- 400	V.C		±0.25pF	GJM0332C1E7R6CB01#	.0				9.0pF	±0.05pF	GJM0332C1E9R0WB01#	
	W.10		$CO_{Mr}$	±0.5pF	GJM0332C1E7R6DB01#	V.C			1		±0.1pF	GJM0332C1E9R0BB01#	
	VVI.19	M r.	7.7pF	±0.05pF	GJM0332C1E7R7WB01#			sī.			±0.25pF	GJM0332C1E9R0CB01#	
	` .	001		±0.1pF	GJM0332C1E7R7BB01#	01.				N '	±0.5pF	GJM0332C1E9R0DB01#	
	WW.			±0.25pF	GJM0332C1E7R7CB01#			N		9.1pF	±0.05pF	GJM0332C1E9R1WB01#	
	NWV	100		±0.5pF	GJM0332C1E7R7DB01#	- 0		TW			±0.1pF	GJM0332C1E9R1BB01#	
	1	N.10	7.8pF	±0.05pF	GJM0332C1E7R8WB01#	100					±0.25pF	GJM0332C1E9R1CB01#	
	WW	1		±0.1pF	GJM0332C1E7R8BB01#	110		LTW			±0.5pF	GJM0332C1E9R1DB01#	
	WV	111.7		±0.25pF	GJM0332C1E7R8CB01#	4		TV		9.2pF	±0.05pF	GJM0332C1E9R2WB01#	
		XIVI		±0.5pF	GJM0332C1E7R8DB01#	W.		Mr	N		±0.1pF	GJM0332C1E9R2BB01#	
		NA .	7.9pF	±0.05pF	GJM0332C1E7R9WB01#	TXX		$DW{J}$			±0.25pF	GJM0332C1E9R2CB01#	«1
	1		1.5	±0.1pF	GJM0332C1E7R9BB01#	4					±0.5pF	GJM0332C1E9R2DB01#	N-
		TIN.		±0.25pF	GJM0332C1E7R9CB01#	W		OM.		9.3pF	±0.05pF	GJM0332C1E9R3WB01#	W
		M.		2	GJM0332C1E7R9DB01#	- 1		COM		≪1	±0.1pF	GJM0332C1E9R3BB01#	
		W	8.0pF	±0.05pF	GJM0332C1E8R0WB01#	411		- 01	LT		±0.25pF	GJM0332C1E9R3CB01#	
		XX.	0.001	±0.1pF	GJM0332C1E8R0BB01#	W		Y.Co.	- 1		±0.5pF	GJM0332C1E9R3DB01#	T
				100	GJM0332C1E8R0CB01#	- 1		V.CC	$M_{r}$	0.4nE		GJM0332C1E9R4WB01#	25
				±0.25pF	GJM0332C1E8R0DB01#			0 7.	$o_{M}$	9.4pF	±0.05pF	- CA	M.
				±0.5pF		4		OOY.C			±0.1pF	GJM0332C1E9R4BB01#	
			8.1pF	±0.05pF	GJM0332C1E8R1WB01#			1001	$CO_{B}$		±0.25pF	GJM0332C1E9R4CB01#	J 2.
				±0.1pF	GJM0332C1E8R1BB01#				CO	M	±0.5pF	GJM0332C1E9R4DB01#	
				±0.25pF	GJM0332C1E8R1CB01#			1,1007		9.5pF	±0.05pF	GJM0332C1E9R5WB01#	<i>~</i> (
			- 4	±0.5pF	GJM0332C1E8R1DB01#			N.100	Y.C		±0.1pF	GJM0332C1E9R5BB01#	.01
			8.2pF	±0.05pF	GJM0332C1E8R2WB01#			N.10	- T		±0.25pF	GJM0332C1E9R5CB01#	<u>1.C</u>
				±0.1pF	GJM0332C1E8R2BB01#			TW.10	0.7.	MOD	±0.5pF	GJM0332C1E9R5DB01#	
				±0.25pF	GJM0332C1E8R2CB01#			- 1	001	9.6pF	±0.05pF	GJM0332C1E9R6WB01#	11.
				±0.5pF	GJM0332C1E8R2DB01#	N		$MM^{-1}$	. 001		±0.1pF	GJM0332C1E9R6BB01#	an S
			8.3pF	±0.05pF	GJM0332C1E8R3WB01#			WW	100		±0.25pF	GJM0332C1E9R6CB01#	0 -
				±0.1pF	GJM0332C1E8R3BB01#	LAN		1	V.10		±0.5pF	GJM0332C1E9R6DB01#	
				±0.25pF	GJM0332C1E8R3CB01#	T		WW	JT 1	9.7pF	±0.05pF	GJM0332C1E9R7WB01#	
				±0.5pF	GJM0332C1E8R3DB01#			WW	41.7		±0.1pF	GJM0332C1E9R7BB01#	
			8.4pF	±0.05pF	GJM0332C1E8R4WB01#	17.3			NVI.		±0.25pF	GJM0332C1E9R7CB01#	
			•	±0.1pF	GJM0332C1E8R4BB01#	10		W			±0.5pF	GJM0332C1E9R7DB01#	
				±0.25pF	GJM0332C1E8R4CB01#					9.8pF	±0.05pF	GJM0332C1E9R8WB01#	
				±0.25pf	GJM0332C1E8R4DB01#	OD				J.0p1	±0.05pi	GJM0332C1E9R8BB01#	
			0 EnE		100						· ·		
			8.5pF	±∪.∪ɔpr	GJM0332C1E8R5WB01#						±0.25pF	GJM0332C1E9R8CB01#	

# GJM Series GRM Series

GMA Series

GMD Series

**GQM** Series **GRJ** Series

GR3 Series KRM Series

KR3 Series

**LLA Series** 

LLL Series **LLM Series** 

### GJM Series Temperature Compensating Type Part Number List

T

max. 0.55mm Rated

Voltage

50Vdc

TC

Code

COG

Cap.

1.0pF

1.1pF

1.2pF

1.3pF

Tol.

±0.05pF ±0.1pF

±0.25pF

±0.05pF

±0.1pF

±0.25pF

±0.05pF

±0.1pF

±0.25pF

±0.05pF

±0.1pF

Part Number

GJM1555C1H1R0WB01#

GJM1555C1H1R0BB01#

GJM1555C1H1R0CB01#

GJM1555C1H1R1WB01#

GJM1555C1H1R1BB01# GJM1555C1H1R1CB01#

GJM1555C1H1R2WB01# GJM1555C1H1R2BB01#

GJM1555C1H1R2CB01# GJM1555C1H1R3WB01#

GJM1555C1H1R3BB01#

T max.	Rated Voltage	TC Code	Cap.	Tol.	Part Number	
0.33mm	25Vdc	СН	9.8pF	±0.5pF	GJM0332C1E9R8DB01#	_
			9.9pF	±0.05pF	GJM0332C1E9R9WB01#	Ī
	W			±0.1pF	GJM0332C1E9R9BB01#	_
	TW			±0.25pF	GJM0332C1E9R9CB01#	_
	17			±0.5pF	GJM0332C1E9R9DB01#	_
	LTV		10pF	±2%	GJM0332C1E100GB01#	
	TT	N		±5%	GJM0332C1E100JB01#	
	Mr.	N	11pF	±2%	GJM0332C1E110GB01#	
	$0_{M^{*}}$	- 1		±5%	GJM0332C1E110JB01#	ď
	Mo	In	12pF	±2%	GJM0332C1E120GB01#	
		WT		±5%	GJM0332C1E120JB01#	\
	$CO_N$	1.	13pF	±2%	GJM0332C1E130GB01#	T
	of CO	W.7		±5%	GJM0332C1E130JB01#	
	1.0	M	15pF	±2%	GJM0332C1E150GB01#	
	O.Y.C.	- n N		±5%	GJM0332C1E150JB01#	J
	ov.C	$O_{D,i}$	16pF	±2%	GJM0332C1E160GB01#	
	UU	COJ		±5%	GJM0332C1E160JB01#	)
	100x		18pF	±2%	GJM0332C1E180GB01#	(
	100	1.00		±5%	GJM0332C1E180JB01#	
	1.70	v.C	20pF	±2%	GJM0332C1E200GB01#	
	$\sqrt{100}$	-7 (		±5%	GJM0332C1E200JB01#	1
	-xxi 1	00x.	22pF	±2%	GJM0332C1E220GB01#	
	1	COOL		±5%	GJM0332C1E220JB01#	
	M.		24pF	±2%	GJM0332C1E240GB01#	.0
		700		±5%	GJM0332C1E240JB01#	
		N.10	27pF	±2%	GJM0332C1E270GB01#	1
	WW	-11		±5%	GJM0332C1E270JB01#	4
	WV	M.	30pF	±2%	GJM0332C1E300GB01#	
		WW		±5%	GJM0332C1E300JB01#	
	1	-14	33pF	±2%	GJM0332C1E330GB01#	1
	V			±5%	GJM0332C1E330JB01#	

T max.	Rated Voltage	TC Code	Cap.	Tol.	Part Number	V
0.55mm	50Vdc	COG	0.10pF	±0.05pF	GJM1555C1HR10WB01#	
				±0.1pF	GJM1555C1HR10BB01#	
			0.20pF	±0.05pF	GJM1555C1HR20WB01#	
				±0.1pF	GJM1555C1HR20BB01#	
			0.30pF	±0.05pF	GJM1555C1HR30WB01#	
				±0.1pF	GJM1555C1HR30BB01#	
			0.40pF	±0.05pF	GJM1555C1HR40WB01#	
				±0.1pF	GJM1555C1HR40BB01#	N
			0.50pF	±0.05pF	GJM1555C1HR50WB01#	N)
				±0.1pF	GJM1555C1HR50BB01#	
			0.60pF	±0.05pF	GJM1555C1HR60WB01#	III
				±0.1pF	GJM1555C1HR60BB01#	T
			0.70pF	±0.05pF	GJM1555C1HR70WB01#	1.0
				±0.1pF	GJM1555C1HR70BB01#	M.
			0.80pF	±0.05pF	GJM1555C1HR80WB01#	M
				±0.1pF	GJM1555C1HR80BB01#	J
			0.90pF	±0.05pF	GJM1555C1HR90WB01#	101
				±0.1pF	GJM1555C1HR90BB01#	

- 10		±0.25pF	GJM1555C1H1R3CB01#	
1.1.	1.4pF	±0.05pF	GJM1555C1H1R4WB01#	
W.		±0.1pF	GJM1555C1H1R4BB01#	
- 1		±0.25pF	GJM1555C1H1R4CB01#	
1	1.5pF	±0.05pF	GJM1555C1H1R5WB01#	
W		±0.1pF	GJM1555C1H1R5BB01#	
- 11		±0.25pF	GJM1555C1H1R5CB01#	
	1.6pF	±0.05pF	GJM1555C1H1R6WB01#	
W		±0.1pF	GJM1555C1H1R6BB01#	
11		±0.25pF	GJM1555C1H1R6CB01#	
	1.7pF	±0.05pF	GJM1555C1H1R7WB01#	
4		±0.1pF	GJM1555C1H1R7BB01#	
		±0.25pF	GJM1555C1H1R7CB01#	
	1.8pF	±0.05pF	GJM1555C1H1R8WB01#	
		±0.1pF	GJM1555C1H1R8BB01#	
		±0.25pF	GJM1555C1H1R8CB01#	
	1.9pF	±0.05pF	GJM1555C1H1R9WB01#	
J		±0.1pF	GJM1555C1H1R9BB01#	
×1		±0.25pF	GJM1555C1H1R9CB01#	<b>%</b> T
11	2.0pF	±0.05pF	GJM1555C1H2R0WB01#	
ſŴ		±0.1pF	GJM1555C1H2R0BB01#	M
-		±0.25pF	GJM1555C1H2R0CB01#	TV
	2.1pF	±0.05pF	GJM1555C1H2R1WB01#	
1.1		±0.1pF	GJM1555C1H2R1BB01#	L.T
		±0.25pF	GJM1555C1H2R1CB01#	. 1. 7
	2.2pF	±0.05pF	GJM1555C1H2R2WB01#	74.2
01		±0.1pF	GJM1555C1H2R2BB01#	0M
		±0.25pF	GJM1555C1H2R2CB01#	
Co	2.3pF	±0.05pF	GJM1555C1H2R3WB01#	
		±0.1pF	GJM1555C1H2R3BB01#	CO
. 7		±0.25pF	GJM1555C1H2R3CB01#	7 C
1.	2.4pF	±0.05pF	GJM1555C1H2R4WB01#	3
OY		±0.1pF	GJM1555C1H2R4BB01#	21.
, - O <sup>1</sup>		±0.25pF	GJM1555C1H2R4CB01#	M
TOO	2.5pF	±0.05pF	GJM1555C1H2R5WB01#	00
10		±0.1pF	GJM1555C1H2R5BB01#	
- 1		±0.25pF	GJM1555C1H2R5CB01#	
N.1	2.6pF	±0.05pF	GJM1555C1H2R6WB01#	
W.		±0.1pF	GJM1555C1H2R6BB01#	
,		±0.25pF	GJM1555C1H2R6CB01#	
	2.7pF	±0.05pF	GJM1555C1H2R7WB01#	
		±0.1pF	GJM1555C1H2R7BB01#	
		±0.25pF	GJM1555C1H2R7CB01#	
	Part nur	mber # indic	ates the package specification	code.
				101

### GJM Series Temperature Compensating Type Part Number List

T max.	Rated Voltage	TC Code	Cap.	Tol.	Part Number	11	T max.	Rated Voltage	TC Code	Сар.	Tol.	Part Number
.55mm	50Vdc	COG	2.8pF	±0.05pF	GJM1555C1H2R8WB01#		0.55mm	50Vdc	COG	4.6pF	±0.05pF	GJM1555C1H4R6WB01#
				±0.1pF	GJM1555C1H2R8BB01#			00 1	NO.		±0.1pF	GJM1555C1H4R6BB01#
				±0.25pF	GJM1555C1H2R8CB01#			001.	. 01		±0.25pF	GJM1555C1H4R6CB01#
Mr			2.9pF	±0.05pF	GJM1555C1H2R9WB01#			1001	Co	4.7pF	±0.05pF	GJM1555C1H4R7WB01#
OM				±0.1pF	GJM1555C1H2R9BB01#				J C		±0.1pF	GJM1555C1H4R7BB01#
				±0.25pF	GJM1555C1H2R9CB01#			N.100	7.		±0.25pF	GJM1555C1H4R7CB01#
$C_{O_7}$		V	3.0pF	±0.05pF	GJM1555C1H3R0WB01#			W.10	01.	4.8pF	±0.05pF	GJM1555C1H4R8WB01#
CO		N	•	±0.1pF	GJM1555C1H3R0BB01#			W.1	M.	$C_{O, \alpha}$	±0.1pF	GJM1555C1H4R8BB01#
				±0.25pF	GJM1555C1H3R0CB01#	≪1		NW.1	00 -		±0.25pF	GJM1555C1H4R8CB01#
Y.V		IM	3.1pF	±0.05pF	GJM1555C1H3R1WB01#	1		TXN.	700;	4.9pF	±0.05pF	GJM1555C1H4R9WB01#
V.		TV	0.161	±0.1pF	GJM1555C1H3R1BB01#	W		WW	- 100	, iopi	±0.1pF	GJM1555C1H4R9BB01#
N F		F. F.		±0.25pF	GJM1555C1H3R1CB01#	-		XIVIV	1.70		±0.25pF	GJM1555C1H4R9CB01#
007		I.I	2 2nE	- 41	GJM1555C1H3R2WB01#	-			W.14	5.0pF	1	GJM1555C1H5R0WB01#
100			3.2pF	±0.05pF		13		11/1/	_ 1	5.0pr	±0.05pF	
Too		M.		±0.1pF	GJM1555C1H3R2BB01#	1300		W	1111.		±0.1pF	GJM1555C1H5R0BB01#
N.10		MO	00 =	±0.25pF	GJM1555C1H3R2CB01#	M		-31	WW	700	±0.25pF	GJM1555C1H5R0CB01#
-x1 1			3.3pF	±0.05pF	GJM1555C1H3R3WB01#					5.1pF	±0.05pF	GJM1555C1H5R1WB01#
11.		$CO_{\bar{I}}$		±0.1pF	GJM1555C1H3R3BB01#	O.s.		1			±0.1pF	GJM1555C1H5R1BB01#
WW		, CO	M	±0.25pF	GJM1555C1H3R3CB01#				WW		±0.25pF	GJM1555C1H5R1CB01#
			3.4pF	±0.05pF	GJM1555C1H3R4WB01#					W.1	±0.5pF	GJM1555C1H5R1DB01#
W		N.C		±0.1pF	GJM1555C1H3R4BB01#				W	5.2pF	±0.05pF	GJM1555C1H5R2WB01#
		~7 (	$O_{Mr}$	±0.25pF	GJM1555C1H3R4CB01#	J.C			1		±0.1pF	GJM1555C1H5R2BB01#
11.		10 X .	3.5pF	±0.05pF	GJM1555C1H3R5WB01#			s.ī			±0.25pF	GJM1555C1H5R2CB01#
W		007		±0.1pF	GJM1555C1H3R5BB01#	01.					±0.5pF	GJM1555C1H5R2DB01#
1		. 00	A'CO,	±0.25pF	GJM1555C1H3R5CB01#	007		W		5.3pF	±0.05pF	GJM1555C1H5R3WB01#
		100	3.6pF	±0.05pF	GJM1555C1H3R6WB01#			TW			±0.1pF	GJM1555C1H5R3BB01#
		v 10		±0.1pF	GJM1555C1H3R6BB01#	700		7			±0.25pF	GJM1555C1H5R3CB01#
				±0.25pF	GJM1555C1H3R6CB01#	110		LIW			±0.5pF	GJM1555C1H5R3DB01#
		111.7	3.7pF	±0.05pF	GJM1555C1H3R7WB01#	1		VTT	N .	5.4pF	±0.05pF	GJM1555C1H5R4WB01#
		TVV	700	±0.1pF	GJM1555C1H3R7BB01#	W.		Mrr	N)		±0.1pF	GJM1555C1H5R4BB01#
		NN .		±0.25pF	GJM1555C1H3R7CB01#	TXN		DM.T			±0.25pF	GJM1555C1H5R4CB01#
			3.8pF	±0.05pF	GJM1555C1H3R8WB01#	-					±0.5pF	GJM1555C1H5R4DB01#
		TIN.	Willa	±0.1pF	GJM1555C1H3R8BB01#	W		COM!		5.5pF	±0.05pF	GJM1555C1H5R5WB01#
		M		0	GJM1555C1H3R8CB01#			COM		≪1	±0.1pF	GJM1555C1H5R5BB01#
		W	3.9pF	±0.25pi	GJM1555C1H3R9WB01#				T.I		±0.25pF	GJM1555C1H5R5CB01#
			5.5pi	±0.05pr	GJM1555C1H3R9BB01#	W		Y.CO			±0.25pF	GJM1555C1H5R5DB01#
				10~				V CC	) IVI-	E Co E		CONTRACTOR OF THE PROPERTY OF
			1.0pF	±0.25pF	GJM1555C1H3R9CB01#			01.	OM	5.6pF	±0.05pF	GJM1555C1H5R6WB01#
			4.0pF	±0.05pF	GJM1555C1H4R0WB01#	-		00 Y.C			±0.1pF	GJM1555C1H5R6BB01#
				±0.1pF	GJM1555C1H4R0BB01#	_		100Y.	$C_{\mathbf{O}_{\mathcal{D}}}$		±0.25pF	GJM1555C1H5R6CB01#
			111	±0.25pF	GJM1555C1H4R0CB01#				c0	M. r	±0.5pF	GJM1555C1H5R6DB01#
			4.1pF	±0.05pF	GJM1555C1H4R1WB01#			1.1007		5.7pF	±0.05pF	GJM1555C1H5R7WB01#
				±0.1pF	GJM1555C1H4R1BB01#			4	Y.C		±0.1pF	GJM1555C1H5R7BB01#
				±0.25pF	GJM1555C1H4R1CB01#			W.100	N.		±0.25pF	GJM1555C1H5R7CB01#
			4.2pF	±0.05pF	GJM1555C1H4R2WB01#			JW.10	10 7.	MOD	±0.5pF	GJM1555C1H5R7DB01#
				±0.1pF	GJM1555C1H4R2BB01#	N		- 1	001	5.8pF	±0.05pF	GJM1555C1H5R8WB01#
				±0.25pF	GJM1555C1H4R2CB01#	W		WW.	. 001		±0.1pF	GJM1555C1H5R8BB01#
			4.3pF	±0.05pF	GJM1555C1H4R3WB01#			TANIN	700		±0.25pF	GJM1555C1H5R8CB01#
				±0.1pF	GJM1555C1H4R3BB01#	LAN			V 10		±0.5pF	GJM1555C1H5R8DB01#
				±0.25pF	GJM1555C1H4R3CB01#	T		WW	1	5.9pF	±0.05pF	GJM1555C1H5R9WB01#
			4.4pF	±0.05pF	GJM1555C1H4R4WB01#	1.0		WW	11.7	00.	±0.1pF	GJM1555C1H5R9BB01#
			•	±0.1pF	GJM1555C1H4R4BB01#	1.1		AA.	WY.		±0.25pF	GJM1555C1H5R9CB01#
				±0.25pF	GJM1555C1H4R4CB01#	~ (		W	4.		±0.5pF	GJM1555C1H5R9DB01#
			4.5pF	±0.05pF	GJM1555C1H4R5WB01#					6.0pF	±0.05pF	GJM1555C1H6R0WB01#
			<del>-</del> τ.υμΓ		100	03				υ.υμΓ	<u> </u>	
		ı		±0.1pF	GJM1555C1H4R5BB01#			1	1		±0.1pF	GJM1555C1H6R0BB01#

**GMA** Series

**GMD** Series GQM Series

**GRJ** Series GR3 Series

KRM Series KR3 Series

**LLA Series** 

### GJM Series Temperature Compensating Type Part Number List

T nax.	Rated Voltage	TC Code	Сар.	Tol.	Part Number	WV	T max.	Rated Voltage	TC Code	Сар.	Tol.	Part Number
5mm	50Vdc	COG	6.0pF	±0.5pF	GJM1555C1H6R0DB01#	-XX	0.55mm	50Vdc	COG	7.4pF	±0.1pF	GJM1555C1H7R4BB01#
			6.1pF	±0.05pF	GJM1555C1H6R1WB01#		W.W.1	)U 1	MO.		±0.25pF	GJM1555C1H7R4CB01#
	W			±0.1pF	GJM1555C1H6R1BB01#		NN	00X.			±0.5pF	GJM1555C1H7R4DB01#
	TW			±0.25pF	GJM1555C1H6R1CB01#		MMM.		CO	7.5pF	±0.05pF	GJM1555C1H7R5WB01#
	7.			±0.5pF	GJM1555C1H6R1DB01#				J CS		±0.1pF	GJM1555C1H7R5BB01#
	TIN		6.2pF	±0.05pF	GJM1555C1H6R2WB01#			N.100	1.		±0.25pF	GJM1555C1H7R5CB01#
	- 17	V		±0.1pF	GJM1555C1H6R2BB01#		WW	10	D.Y.C		±0.5pF	GJM1555C1H7R5DB01#
	M.	W		±0.25pF	GJM1555C1H6R2CB01#		WV	W.10	101.	7.6pF	±0.05pF	GJM1555C1H7R6WB01#
	$\sigma_{M,T}$			±0.5pF	GJM1555C1H6R2DB01#	-1	1	$_{\rm MW}$ .		CON	±0.1pF	GJM1555C1H7R6BB01#
		W	6.3pF	±0.05pF	GJM1555C1H6R3WB01#	<u> </u>			100		±0.25pF	GJM1555C1H7R6CB01#
	COM.		0.5pi		W. CO.	W	V	WW.	400		- 11	GJM1555C1H7R6DB01#
	CON	1.7.		±0.1pF	GJM1555C1H6R3BB01#			NW V	Tra.	077-F	±0.5pF	- N
		TI		±0.25pF	GJM1555C1H6R3CB01#			NN T	N.10	7.7pF	±0.05pF	GJM1555C1H7R7WB01#
	V.CO	. 1	W.	±0.5pF	GJM1555C1H6R3DB01#	T					±0.1pF	GJM1555C1H7R7BB01#
	-7 CC	DIVI-	6.4pF	±0.05pF	GJM1555C1H6R4WB01#	170	N	WV	M.		±0.25pF	GJM1555C1H7R7CB01#
	01.	Mo		±0.1pF	GJM1555C1H6R4BB01#	$\overline{W_J}$	-1			700 -	±0.5pF	GJM1555C1H7R7DB01#
	00 Y.C	0.		±0.25pF	GJM1555C1H6R4CB01#		LM			7.8pF	±0.05pF	GJM1555C1H7R8WB01#
	-	$CO_{\vec{L}}$	11.	±0.5pF	GJM1555C1H6R4DB01#	OM	W				±0.1pF	GJM1555C1H7R8BB01#
	1007	- 00	6.5pF	±0.05pF	GJM1555C1H6R5WB01#	COM					±0.25pF	GJM1555C1H7R8CB01#
	1100			±0.1pF	GJM1555C1H6R5BB01#	Lo	V.T.V			-XX 1	±0.5pF	GJM1555C1H7R8DB01#
	1.1	V.C		±0.25pF	GJM1555C1H6R5CB01#	Co,	WT			7.9pF	±0.05pF	GJM1555C1H7R9WB01#
	$M_{Jn}$	-7 (		±0.5pF	GJM1555C1H6R5DB01#	J CC	)Mr.		<b>1</b>		±0.1pF	GJM1555C1H7R9BB01#
	.W.19	07.º	6.6pF	±0.05pF	GJM1555C1H6R6WB01#		$O_{M',I'}$				±0.25pF	GJM1555C1H7R9CB01#
		1007		±0.1pF	GJM1555C1H6R6BB01#	01.	TIM				±0.5pF	GJM1555C1H7R9DB01#
	WW.	100		±0.25pF	GJM1555C1H6R6CB01#	oov.	$CO_{M_{\pi}}$			8.0pF	±0.05pF	GJM1555C1H8R0WB01#
	NWW	100		±0.5pF	GJM1555C1H6R6DB01#	W	$CO_{M^{-1}}$			-111	±0.1pF	GJM1555C1H8R0BB01#
		×1 10	6.7pF	±0.05pF	GJM1555C1H6R7WB01#	100	Mos				±0.25pF	GJM1555C1H8R0CB01#
	WW	14	O.Y.C	±0.1pF	GJM1555C1H6R7BB01#	400	Y.Co.				±0.5pF	GJM1555C1H8R0DB01#
		$N^{1,1}$		±0.25pF	GJM1555C1H6R7CB01#	1.10	ON COD	1.	J	8.1pF	±0.05pF	GJM1555C1H8R1WB01#
	WW	NW		±0.25pF	GJM1555C1H6R7DB01#	<del>71.1</del> 0	, cO	MIT		0.1pi	±0.05pi	GJM1555C1H8R1BB01#
	W	Wa.	C 05F			-21 1	001.C	T.Mc	N		W	100 - 201 -
			6.8pF	±0.05pF	GJM1555C1H6R8WB01#	(1) ·	. O.Y.C	0,5	W		±0.25pF	GJM1555C1H8R1CB01#
		· ·		±0.1pF	GJM1555C1H6R8BB01#		.100				±0.5pF	GJM1555C1H8R1DB01#
	4	MAN		±0.25pF	GJM1555C1H6R8CB01#		V 100 X.	Mon	TV	8.2pF	±0.05pF	GJM1555C1H8R2WB01#
			M	±0.5pF	GJM1555C1H6R8DB01#		Your	Con	TT		±0.1pF	GJM1555C1H8R2BB01#
			6.9pF	±0.05pF	GJM1555C1H6R9WB01#	N	11.10	a CO	17.		±0.25pF	GJM1555C1H8R2CB01#
		11		±0.1pF	GJM1555C1H6R9BB01#		1W.100	- 00	M.		±0.5pF	GJM1555C1H8R2DB01#
		1		±0.25pF	GJM1555C1H6R9CB01#		N 1			8.3pF	±0.05pF	GJM1555C1H8R3WB01#
				±0.5pF	GJM1555C1H6R9DB01#	41	MM.	NY.C	Ohr		±0.1pF	GJM1555C1H8R3BB01#
			7.0pF	±0.05pF	GJM1555C1H7R0WB01#		. WW.1	UO - 7 (			±0.25pF	GJM1555C1H8R3CB01#
				±0.1pF	GJM1555C1H7R0BB01#		N Y	100X	-00		±0.5pF	GJM1555C1H8R3DB01#
				±0.25pF	GJM1555C1H7R0CB01#		MMAN	1.1005	CU	8.4pF	±0.05pF	GJM1555C1H8R4WB01#
				±0.5pF	GJM1555C1H7R0DB01#		WW	1.100	JC		±0.1pF	GJM1555C1H8R4BB01#
			7.1pF	±0.05pF	GJM1555C1H7R1WB01#		NV V	N.100	7.		±0.25pF	GJM1555C1H8R4CB01#
				±0.1pF	GJM1555C1H7R1BB01#		MM	×1 10	01.		±0.5pF	GJM1555C1H8R4DB01#
				±0.25pF	GJM1555C1H7R1CB01#		WV		M	8.5pF	±0.05pF	GJM1555C1H8R5WB01#
				±0.5pF	GJM1555C1H7R1DB01#	- «1	1	WW.	00 x	1 (O)	±0.05pi	GJM1555C1H8R5BB01#
			7 2n=	44.41	1003-		V		100			
			7.2pF	±0.05pF	GJM1555C1H7R2WB01#	T					±0.25pF	GJM1555C1H8R5CB01#
				±0.1pF	GJM1555C1H7R2BB01#	1		WW	1.70	00.5	±0.5pF	GJM1555C1H8R5DB01#
				±0.25pF	GJM1555C1H7R2CB01#	TW			W.1	8.6pF	±0.05pF	GJM1555C1H8R6WB01#
				±0.5pF	GJM1555C1H7R2DB01#	TAN	N	WW	411		±0.1pF	GJM1555C1H8R6BB01#
			7.3pF	±0.05pF	GJM1555C1H7R3WB01#	Mr.	XX	W	MN.		±0.25pF	GJM1555C1H8R6CB01#
				±0.1pF	GJM1555C1H7R3BB01#	$\Gamma_{M_{\alpha}}$	N.				±0.5pF	GJM1555C1H8R6DB01#
				±0.25pF	GJM1555C1H7R3CB01#	-	TW			8.7pF	±0.05pF	GJM1555C1H8R7WB01#
				±0.5pF	GJM1555C1H7R3DB01#	$O_{\overline{M}_{T}}$					±0.1pF	GJM1555C1H8R7BB01#
			7.4pF	±0.05pF	GJM1555C1H7R4WB01#						±0.25pF	GJM1555C1H8R7CB01#

### GJM Series Temperature Compensating Type Part Number List

Table   Tab	(→ ■ 1	.0×0.5ı	mm)			1	MW.100	1 CO1	V. r.	- <b>*</b> I		
2.0   6   2.0				Сар.	Tol.	Part Number			7.4.	Cap.	Tol.	Part Number
2.1 pF   CAMPSSC-HBRORDDIT#   159%   CAMPSSC-HBRORDDIT#   129%   CAMPSSC-HBRORDDIT#   159%   CAMPSSC-HBRORDDIT#	0.55mm	50Vdc	COG	8.7pF	±0.5pF	GJM1555C1H8R7DB01#	0.55mm	50Vdc	COG	12pF	±5%	GJM1555C1H120JB01#
1925C  GAMISSOCHIBROBORY   150F   120% GAMISSOCHIBROBORY   10 No.				8.8pF	±0.05pF	GJM1555C1H8R8WB01#	11.W.T	)() 1.	ON	13pF	±2%	GJM1555C1H130GB01#
2.5,6F   CAMISSOCHIRADBORY   160F   27%   CAMISSOCHIRADBORY   1.00pF   2.0mp   CAMISSOCHIRADBORY   1.00pF   2.0mp   CAMISSOCHIRADBORY   1.00pF   2.0mp   CAMISSOCHIRADBORY   1.00pF   2.0mp   CAMISSOCHIRADBORY   1.00pF   2.0mp   CAMISSOCHIRADBORY   1.00pF   2.0mp   CAMISSOCHIRADBORY   1.00pF   2.0mp   CAMISSOCHIRADBORY   2.0mp   CAMISSO		W		MM	±0.1pF	GJM1555C1H8R8BB01#		001.	- 01		±5%	GJM1555C1H130JB01#
2-0.0F   GAMISSOCHINGROBORY   1967   24%   GAMISSOCHINGORORY   1		-CVN		WV	±0.25pF	GJM1555C1H8R8CB01#	- MMM.	4007	CO	15pF	±2%	GJM1555C1H150GB01#
10.76F   G.JMISSCCHIBROBODI#   16/F   22%   G.JMISSCCHIBROBODI#   10.76F   G.JMISSCCHIBROBO					±0.5pF	GJM1555C1H8R8DB01#		700	J.CC		±5%	GJM1555C1H150JB01#
18pF   25%   GAMISSCHBROCBOT#   15p   25%   GAMISSCHBROCBOT#   20pF   25%   GAMISSCHBROCBOT#   20pF   25%   GAMISSCHBROCBOT#   20pF   25%   GAMISSCHBROCBOT#   20pF   25%   GAMISSCHBROCBOT#   20pF   25%   GAMISSCHBROCBOT#   25pF   GAMISSCHBROCBOT#   2		LTW		8.9pF	±0.05pF	GJM1555C1H8R9WB01#		N.100		16pF	±2%	GJM1555C1H160GB01#
1.0.5pF   GJM1555C1H9R0DB019   20pF   1.25%   GJM1555C1H300DB019   2.25%   GJM1555C1H300DB019			N	1	±0.1pF	GJM1555C1H8R9BB01#		-x1 10	01.		±5%	GJM1555C1H160JB01#
2.0,56  G_MM15SSC1H8R0R0B1018    2.0pf   2.2% G_MM15SSC1H8R0R0B1018    2.0pf   2.0mf		Mr	N		±0.25pF	GJM1555C1H8R9CB01#	WV	111	ooy.	18pF	±2%	GJM1555C1H180GB01#
9.0p1		$O_{M',j}$	- 41		±0.5pF	GJM1555C1H8R9DB01#		$NN^{-1}$	0		±5%	GJM1555C1H180JB01#
10.25pF   G_MM1555C1H9R0CB018   22pF   21%   G_MM155SCH200B018   25%   G_MM155SCH300B018   25%		.ovi	IM	9.0pF	±0.05pF	GJM1555C1H9R0WB01#	_	· NIVI	700	20pF	±2%	GJM1555C1H200GB01#
2.15		CON	TV		±0.1pF	GJM1555C1H9R0BB01#	4		100		±5%	GJM1555C1H200JB01#
9.1pF   20.05pF   G_MM15S5CH9R1WB01#   24pF   11%   G_MM15S5CH320B01#   22pF   G_MM15S5CH320B01#   22pF   G_MM15S5CH320B01#   22pF		$CO_{J_{i}}$	1.0 2	N	±0.25pF	GJM1555C1H9R0CB01#	W.	WWW	10.2	22pF	±1%	GJM1555C1H220FB01#
10.1pF   GJM15SSC1H9R1BB01#   12%   GJM15SSC1H240F081#   12%   GJM15SSC1H240F081#   12%   GJM15SSC1H240F081#   12%   GJM15SSC1H240F081#   12%   GJM15SSC1H240F081#   12%   GJM15SSC1H240F081#   12%   GJM15SSC1H270F081#   12%   GJM15SSC1H		· c0	$M_{r,T}$	T	±0.5pF	GJM1555C1H9R0DB01#		-111	11.77	~ (C	±2%	GJM1555C1H220GB01#
10.25pF   GJM15SSC1H9R10B01#   25%   GJM15SSC1H240B018   25%   GJM15SSC1H270B018   25%   GJM15		1.00	M	9.1pF	±0.05pF	GJM1555C1H9R1WB01#	£//	M	TN .1		±5%	GJM1555C1H220JB01#
10.25pF   GJM15SSC1H9R10B01#   25%   GJM15SSC1H240B018   25%   GJM15SSC1H270B018   25%   GJM15		NY.C	) !! - "	TW	-	GJM1555C1H9R1BB01#	TW			24pF	±1%	GJM1555C1H240FB01#
9.2pF		~J (	$O_{N_1}$	· ·	· ·	GJM1555C1H9R1CB01#	TW	11	MM		±2%	GJM1555C1H240GB01#
9.2pF		00  r.	c01	T:T		3 100	<del>1</del> . 1					12-2
20.1pF   GJM1555C1H9RZBB019   2.2% GJM1555C1H9RZB019   2.2% GJM1555C1H9RZB019   2.0%pF GJM1555C1H9RZB019   3.0pF		1001		9.2pF	· ·	1	MILM			27pF		GJM1555C1H270FB01#
### ### ##############################		. 007	Z.CC	( T	· N		TW		MN	- ×1 1(		TATAL STATE OF THE
10.5pF   GJM1555C1H9R2DB01#   20.5pF   GJM1555C1H9R3WB01#   20.5pF   GJM1555C1H9R3WB01#   20.5pF   GJM1555C1H9R3WB01#   20.5pF   GJM1555C1H9R3WB01#   20.5pF   GJM1555C1H9R3WB01#   20.5pF   GJM1555C1H9R3WB01#   20.5pF   GJM1555C1H9R3WB01#   20.5pF   GJM1555C1H9R3WB01#   20.5pF   GJM1555C1H9R3WB01#   20.5pF   GJM155C1H9R3WB01#   20.5		1.700	<1 C	$O_{Mr}$ ,			OM		W		<7 C	J
1.0.15pF   CJM1555C1H9R3BB01#   1.0.5pF   CJM1555C1H9R3BB01#   1.0.5pF   CJM1555C1H9R3BB01#   1.0.5pF   CJM1555C1H9R3BB01#   1.0.5pF   CJM1555C1H9R3BB01#   1.0.5pF   CJM1555C1H9R3BB01#   1.0.5pF   CJM1555C1H9R3BB01#   1.0.5pF   CJM1555C1H9R3BB01#   1.0.5pF   CJM1555C1H9R4BB01#   1.0.5pF   CJM1555C1H9R4BB01#   1.0.5pF   CJM1555C1H9R4BB01#   1.0.5pF   CJM1555C1H9R4BB01#   1.0.5pF   CJM1555C1H9R4BB01#   1.0.5pF   CJM1555C1H9R4BB01#   1.0.5pF   CJM1555C1H9R5BB01#   1.0.5pF   CJM1555C1H9R7BB01#   1.0.5pF   CJM1555C1H9R7BB01#   1.0.5pF   CJM1555C1H9R7BB01#   1.0.5pF   CJM1555C1H9R7BB01#   1.0.5pF   CJM1555C1H9R7BB01#   1.0.5pF   CJM1555C1H9R7BB01#   1.0.5pF   CJM1555C1H9R0B01#   1.0.5pF   CJM1555C1H9R0B01#   1.0.5pF   CJM1555C1H9R0B01#   1.0.5pF   CJM1555C1H9R0B01#   1.0.5pF   CJM1555C1H9R0B01#   1.0.5pF   CJM1555C1H9R0B01#   1.0.5pF   CJM1555C1H9R0B001#   1.0.5pF   CJM1555C1H9R0B001#   1.0.5pF   CJM1555C1H9R0B001#   1.0.5pF   CJM1555C1H9R0B001#   1.0.5pF   CJM1555C1H9R0B001#   1.0.5pF   CJM1555C1H9R0B001#   1.0.5pF   CJM1555C1H9R0B001#   1.0.5pF   CJM1555C1H9R0B001#   1.0.5pF   CJM1555C1H9R0B001#   1.0.5pF   CJM1555C1H9R0B001#   1.0.5pF   CJM1555C1H9R0B001#   1.0.5pF   CJM1555C1H9R0B001#   1.0.5pF   CJM1555C1H9R0B001#   1.0.5pF   CJM1555C1H9R0B001#   1.0.5pF   CJM1555C1H9R0B001#   1.0.5pF   CJM1555C1H9R0B001#   1.0.5pF   CJM1555C1H9R0B001#   1.0.5pF   CJM1555C1H9R0B001#   1.0.5pF   CJM1555C1H9R0B001#   1.0		$\sqrt{100}$	) 7	MO		1 100	$CO_{M'I}$			30pF	UV	
### ### ##############################		-11(	101.	9.3pF	11/1/11	- 100 ×	- OM.TW			( COP.	100 7.	
### ### ##############################		M	OON	COPIN	-31		HCO T	N	4		. 00	
### 20.5pF   QJM1555C1H9RAWB01#   ±2%   QJM1555C1H330GB01#   ±5%   QJM1555C1H330GB01#   ±5%   QJM1555C1H330GB01#   ±5%   QJM1555C1H330GB01#   ±5%   QJM1555C1H330GB01#   ±2%   QJM1555C1H330GB01#   ±2%   QJM1555C1H330GB01#   ±2%   QJM1555C1H330GB01#   ±5%   QJM1555C1H330GB01#   ±5%   QJM1555C1H330GB01#   ±5%   QJM1555C1H330GB01#   ±5%   QJM1555C1H330GB01#   ±5%   QJM1555C1H330GB01#   ±5%   QJM1555C1H330GB01#   ±5%   QJM1555C1H330GB01#   ±5%   QJM1555C1H330GB01#   ±5%   QJM1555C1H330GB01#   ±5%   QJM1555C1H330GB01#   ±5%   QJM1555C1H330GB01#   ±5%   QJM1555C1H330GB01#   ±5%   QJM1555C1H330GB01#   ±5%   QJM1555C1H330GB01#   ±2%   QJM1555C1H330GB01#   ±2%   QJM1555C1H330GB01#   ±2%   QJM1555C1H330GB01#   ±2%   QJM1555C1H330GB01#   ±2%   QJM1555C1H330GB01#   ±2%   QJM1555C1H330GB01#   ±2%   QJM1555C1H330GB01#   ±2%   QJM1555C1H330GB01#   ±2%   QJM1555C1H330GB01#   ±2%   QJM1555C1H330GB01#   ±2%   QJM1555C1H330GB01#   ±2%   QJM1555C1H330GB01#   ±2%   QJM1555C1H330GB01#   ±2%   QJM1555C1H330GB01#   ±2%   QJM1555C1H330GB01#   ±2%   QJM1555C1H330GB01#   ±2%   QJM1555C1H330GB01#   ±2%   QJM1555C1H330GB01#   ±5%   QJM1555C1H330GB01#   ±5%   QJM1555C1H330GB01#   ±5%   QJM1555C1H330GB01#   ±5%   QJM1555C1H330GB01#   ±5%   QJM1555C1H330GB01#   ±5%   QJM1555C1H330GB01#   ±0.1pF   QJM1554C1H300GB01#   ±0.1pF   QJM1554C1H3		WW.	100	J CO	1		COM.	N.		33nF		CUNT
9.4pF ±0.5pF GJM155SC1H9R4WB01# ±0.2pF GJM15SSC1H9R4WB01# ±0.5pF GJM15SSC1H9R4DB01# ±0.5pF GJM15SSC1H9R4DB01# ±0.5pF GJM15SSC1H9R4DB01# ±0.5pF GJM15SSC1H9R4DB01# ±0.5pF GJM15SSC1H9R4DB01# ±0.5pF GJM15SSC1H9R5WB01# ±0.5pF GJM15SSC1HR6WB01# ±0.5pF GJM15SC1HR6WB01# ±0.5pF GJM15SC1HR6WB01# ±0.5pF GJM15SC1HR6WB01# ±0.5pF GJM15SC1HR6WB01# ±0.5pF GJM15SC1HR6WB01# ±0.5pF GJM15SC1HR6WB01# ±0.5pF GJM15SC1HR6WB01# ±0.5pF GJM15SC1HR6WB01# ±0.5pF GJM15SC1HR6WB01# ±0.5pF GJM15SC1HR6WB01# ±0.5pF GJM15SC1HR6WB01# ±0.5pF GJM15SC1HR6WB01# ±0.5pF GJM15SC1HR6WB01# ±0.5pF GJM15SC1HR6WB01# ±0.5pF GJM15SC1HR6WB01# ±0.5pF GJM15SC1HR6WB01# ±0.5pF GJM15SC1HR6W			1,100	1.0		- X 101	E COM.			oop.	AN JUN	
#0.1pF GJM1555C1H9R4BB01# # 20.25pF GJM1555C1H9R4CB01# # 20.3pF GJM1555C1H9R4CB01# # 20.3pF GJM1555C1H9R4CB01# # 25% GJM1555C1H9R4DB01# # 20.45pF GJM1555C1H9R5BB01# # 20.45pF GJM1555C1H9R3BB			-110	9.4nF	- 1	N 10 10	Mo . Ya	IM			<1.10	0 1.
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9.5pF ±0.05pF GJM1555C1H9RSWB01# ±0.1pF GJM1555C1H9RSWB01# ±0.25pF GJM1555C1H9RSBB01# ±0.5pF GJM155C1H9RSBB01# ±0.5pF GJM1555C1H9RSBB01# ±0.5pF GJM1555C1H9RSBB01# ±0.5pF GJM1555C1H9RSBB01# ±0.5pF GJM1555C1H9RSBB01# ±0.5pF GJM155C1HBSBB01# ±0.5pF GJM1555C1H9RSBB01# ±0.5pF GJM1555C1H9RSBB01# ±0.5pF GJM1555C1H9RSBB01# ±0.5pF GJM1555C1H9RSBB01# ±0.5pF GJM155C1HBSBB01# ±0.5pF GJM1555C1HBSBB01# ±0.5pF GJM1555C1HBSBB01# ±0.5pF GJM155C1HBSBB01# ±0.		1111	- TXN	100x.			<del>1</del> 00 r.	$M_{II}$	T		-111	CONTRACTOR
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#0.25pF GJM1555C1H9R5CB01# #20.5pF GJM1555C1H9R6B01# #20.5pF GJM1555C1H9R6B01# #20.5pF GJM1555C1H9R6CB01# #20.5pF GJM1555C1H9R6CB01# #20.5pF GJM1555C1H9R6CB01# #20.5pF GJM1555C1H9R6CB01# #20.5pF GJM1555C1H9R6CB01# #20.5pF GJM1555C1H9R6CB01# #20.5pF GJM1555C1H9R6CB01# #20.5pF GJM1555C1H9R6CB01# #20.5pF GJM1555C1H9R6CB01# #20.5pF GJM1555C1H9R6CB01# #20.5pF GJM1555C1H9R7WB01# #20.5pF GJM1555C1H9R7WB01# #20.5pF GJM1555C1H9R7WB01# #20.5pF GJM1555C1H9R7DB01# #20.5pF GJM1555C1H9R7DB01# #20.5pF GJM1555C1H9R7DB01# #20.5pF GJM1555C1H9R7DB01# #20.5pF GJM1555C1H9R8WB01# #20.5pF GJM1555C1H9R8WB01# #20.5pF GJM1555C1H9R8WB01# #20.5pF GJM1555C1H9R8BB01# #20.5pF GJM1555C1H9R8BB01# #20.5pF GJM1555C1H9R8BB01# #20.5pF GJM1555C1H9R8BB01# #20.5pF GJM1555C1H9R8WB01# #20.5pF GJM1555C1H9R9WB01# #20.5pF GJM1555C1H9R8WB01# #20.5pF GJM1555C1H9R8WB01# #20.5pF GJM1555C1H9R8WB01# #20.5pF GJM1555C1H9R8WB01# #20.5pF GJM155C1H70WB01# #20.5pF GJM1554C1HR50WB01# #20.5pF GJM1554C1HR50WB01# #20.5pF GJM1554C1HR50WB01# #20.5pF GJM1554C1HR50WB01# #20.5pF GJM1555C1H9R0BB01# #20.5pF GJM1554C1HR50WB01# #20.5pF GJM1554C1HR50WB01# #20.5pF GJM1554C1HR50WB01# #20.5pF GJM1554C1HR50WB01# #20.5pF GJM1554C1HR50WB01# #20.5pF GJM1554C1HR50WB01# #20.5pF GJM1554C1HR50WB01# #20.5pF GJM1554C1HR50WB01# #20.5pF GJM1554C1HR50WB01# #20.5pF GJM1554C1HR50WB01# #20.5pF GJM1554C1HR50WB01# #20.5pF GJM1554C1HR50WB01# #20.5pF GJM1554C1HR50WB01# #20.5pF GJM1554C1HR50WB01# #20.5pF GJM1554C1HR50WB01# #20.5pF GJM1554C1HR50WB01		1	W	0.001	7 (3)	AND AND AND AND AND AND AND AND AND AND	1007.C	2 1 1	W	оор.		
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### 10.1pF GJM1555C1H9R7BB01# ### 10.25pF GJM1555C1H9R7CB01# #### 10.5pF GJM1555C1H9R7CB01# #### 10.1pF GJM1555C1H9R8WB01# #### 10.1pF GJM1555C1H9R8WB01# #### 10.1pF GJM1555C1H9R8WB01# ###################################				0.7pE	4 00		-N W	$00 x \cdot c$				VV - 31 100 F
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#0.5pF GJM1555C1H9R9DB01#  9.9pF							_	111.77		0.30pr	-33	
9.9pF ±0.05pF GJM1555C1H9R9WB01# ±0.1pF GJM1555C1H9R9BB01# ±0.25pF GJM1555C1H9R9BB01# ±0.5pF GJM1555C1H9R9DB01# ±0.5pF GJM1555C1H9R9DB01# ±0.5pF GJM1555C1H9R9DB01# ±0.05pF GJM1554C1HR50WB01# ±0.1pF GJM1554C1HR60WB01# ±0.1pF GJM1554C1HR60WB01# ±0.1pF GJM1554C1HR60WB01# ±0.1pF GJM1554C1HR60WB01# ±0.1pF GJM1554C1HR70WB01# ±0.1pF GJM1554C1HR70WB01# ±0.1pF GJM1554C1HR70WB01# ±0.1pF GJM1554C1HR70WB01# ±0.1pF GJM1554C1HR70WB01# ±0.1pF GJM1554C1HR80WB01# ±0.1pF GJM1554C1HR80WB01# ±0.1pF GJM1554C1HR80WB01# ±0.1pF GJM1554C1HR80WB01#						3 100° ANA	_	at W.	00 7	0.405	1	
## ±0.1pF   GJM1555C1H9R9BB01#   ±0.25pF   GJM1555C1H9R9CB01#   ±0.5pF   GJM1555C1H9R9CB01#   ±0.5pF   GJM1555C1H9R9DB01#   ±0.5pF   GJM1555C1H9R9DB01#   ±0.1pF   GJM1554C1HR60WB01#   ±0.1pF   GJM1554C1HR60WB01#   ±0.1pF   GJM1554C1HR60BB01#   ±0.1pF   GJM1554C1HR70WB01#   ±0.1pF   GJM1554C1HR70WB01#   ±0.1pF   GJM1554C1HR70WB01#   ±0.1pF   GJM1554C1HR70WB01#   ±0.1pF   GJM1554C1HR70WB01#   ±0.1pF   GJM1554C1HR80WB01#   ±0.1pF   GJM1554C1HR80WB01#   ±0.1pF   GJM1554C1HR80WB01#   ±0.1pF   GJM1554C1HR80WB01#   ±0.1pF   GJM1554C1HR80WB01#   ±0.1pF   GJM1554C1HR80WB01#   ±0.1pF   GJM1554C1HR80B01#   ±0.1pF   GJM1554C1HR80B01#   ±0.1pF   GJM1554C1HR80BB01#   ±0.1				0.0-5	- N.			1	100	0.40pF		11
# ±0.25pF GJM1555C1H9R9CB01# # ±0.5pF GJM1555C1H9R9DB01# # ±0.5pF GJM1555C1H9R9DB01# # ±0.05pF GJM1554C1HR60BB01# # ±0.1pF GJM1554C1HR60BB01# # ±0.1pF GJM1554C1HR60BB01# # ±0.1pF GJM1554C1HR60BB01# # ±0.1pF GJM1554C1HR70WB01# # ±0.1pF GJM1554C1HR70WB01# # ±0.1pF GJM1554C1HR70BB01# # ±0.1pF GJM1554C1HR70BB01# # ±0.1pF GJM1554C1HR80WB01# # ±0.1pF GJM1554C1HR80WB01# # ±0.1pF GJM1554C1HR80BB01#				9.9pF			<del>N</del>			0.50-5	777	N 1
#0.5pF GJM1555C1H9R9DB01#  10pF #2% GJM1555C1H100GB01#  #5% GJM1555C1H100JB01#  11pF #2% GJM1555C1H110GB01#  #5% GJM1555C1H110GB01#  #5% GJM1555C1H110JB01#  #5% GJM1555C1H110JB01#  #5% GJM1555C1H110JB01#  #5% GJM1555C1H110JB01#  #5% GJM1555C1H110JB01#  12pF #2% GJM1555C1H120GB01#					· ·	31 N - 2 C O 3 Y -	<u>-</u>	WIN	N.To	0.50pF		cni
10pF						-31 100	7.4	111	W.1	0.00=5		
±5%     GJM1555C1H100JB01#     0.70pF     ±0.05pF     GJM1554C1HR70WB01#       11pF     ±2%     GJM1555C1H110GB01#     ±0.1pF     GJM1554C1HR70BB01#       ±5%     GJM1555C1H110JB01#     0.80pF     ±0.05pF     GJM1554C1HR80WB01#       12pF     ±2%     GJM1555C1H120GB01#     ±0.1pF     GJM1554C1HR80BB01#				10-5			411	MN	_41	0.60pF	· ·	
11pF ±2% GJM1555C1H110GB01# ±0.1pF GJM1554C1HR70WB01# ±0.1pF GJM1554C1HR70BB01# 12pF ±2% GJM1555C1H120GB01# ±0.1pF GJM1554C1HR80WB01#				ı∪p⊦				W	M.M.	0.70.5	· ·	
±5%     GJM1555C1H110JB01#     0.80pF     ±0.05pF     GJM1554C1HR80WB01#       12pF     ±2%     GJM1555C1H120GB01#     ±0.1pF     GJM1554C1HR80BB01#				44.5		-31 N - 1 - C () 1	T. T.			0.70pF		
12pF ±2% <b>GJM1555C1H120GB01#</b> ±0.1pF <b>GJM1554C1HR80BB01#</b>				11pF		31100	MIT'				· ·	
							_			0.80pF	<u> </u>	
Part number # indicates the package specification				12pF	±2%	GJM1555C1H120GB01#						1

### GJM Series

GMA Series G

GMD Series

GRJ Series GQM Series

KRM Series GR3 Series

KR3 Series | |

### GJM Series Temperature Compensating Type Part Number List

T nax.	Rated Voltage	TC Code	Cap.	Tol.	Part Number	W	T max.	Rated Voltage	TC Code	Сар.	Tol.	Part Number
55mm	50Vdc	CK	0.90pF	±0.05pF	GJM1554C1HR90WB01#	- XX	0.55mm	50Vdc	CJ	2.7pF	±0.1pF	GJM1553C1H2R7BB01#
				±0.1pF	GJM1554C1HR90BB01#		W.11	JU - 7	CON		±0.25pF	GJM1553C1H2R7CB01#
	N		1.0pF	±0.05pF	GJM1554C1H1R0WB01#		N VV	001.		2.8pF	±0.05pF	GJM1553C1H2R8WB01#
	- XX			±0.1pF	GJM1554C1H1R0BB01#		$M_{MM}$	1001	Co		±0.1pF	GJM1553C1H2R8BB01#
				±0.25pF	GJM1554C1H1R0CB01#			Too	J CC		±0.25pF	GJM1553C1H2R8CB01#
	TIN		1.1pF	±0.05pF	GJM1554C1H1R1WB01#			N.100	7.	2.9pF	±0.05pF	GJM1553C1H2R9WB01#
	777	V		±0.1pF	GJM1554C1H1R1BB01#		MM	W.10	DX.C		±0.1pF	GJM1553C1H2R9BB01#
	Mr	W		±0.25pF	GJM1554C1H1R1CB01#		WW	11.2	001		±0.25pF	GJM1553C1H2R9CB01#
	$o_{M,J}$		1.2pF	±0.05pF	GJM1554C1H1R2WB01#	≪1	-11	$NN^{1}$		3.0pF	±0.05pF	GJM1553C1H3R0WB01#
		IM		±0.1pF	GJM1554C1H1R2BB01#	-		WW.	700	40	±0.1pF	GJM1553C1H3R0BB01#
	COM	TV.		±0.25pF	GJM1554C1H1R2CB01#	W	V	M. A.	. 100		±0.25pF	GJM1553C1H3R0CB01#
	CON	1.1	1.3pF	±0.05pF	GJM1554C1H1R3WB01#				1.10	3.1pF	±0.05pF	GJM1553C1H3R1WB01#
		$\Lambda$ . $\Gamma$	1.501	- 4	GJM1554C1H1R3BB01#		1		W.11	(5.1pi		GJM1553C1H3R1BB01#
	Y.CO			±0.1pF		T		MAN	_ 1		±0.1pF	
	V C	M.	44-5	±0.25pF	GJM1554C1H1R3CB01#	100	W	WY	M.	0.0-5	±0.25pF	GJM1553C1H3R1CB01#
	0 7.	OM	1.4pF	±0.05pF	GJM1554C1H1R4WB01#	W. r			WW	3.2pF	±0.05pF	GJM1553C1H3R2WB01#
	001.			±0.1pF	GJM1554C1H1R4BB01#	M.	$L_{M}$		- 31		±0.1pF	GJM1553C1H3R2BB01#
	1001	$C_{\Omega_7}$	7 Z TZ V	±0.25pF	GJM1554C1H1R4CB01#	O = 1	WT	1	MAN	121212	±0.25pF	GJM1553C1H3R2CB01#
	.10	CC	1.5pF	±0.05pF	GJM1554C1H1R5WB01#		TW			3.3pF	±0.05pF	GJM1553C1H3R3WB01#
	1.100			±0.1pF	GJM1554C1H1R5BB01#	-01	1.1				±0.1pF	GJM1553C1H3R3BB01#
	100	Y.V	- NA 1	±0.25pF	GJM1554C1H1R5CB01#		MIL			1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	±0.25pF	GJM1553C1H3R3CB01#
	11.10	ov.	1.6pF	±0.05pF	GJM1554C1H1R6WB01#	Y.C.	TV			3.4pF	±0.05pF	GJM1553C1H3R4WB01#
	W.1			±0.1pF	GJM1554C1H1R6BB01#		$O_{M_{1}}$	N	4		±0.1pF	GJM1553C1H3R4BB01#
	- 1	1007		±0.25pF	GJM1554C1H1R6CB01#	0 7.	COM',	-7			±0.25pF	GJM1553C1H3R4CB01#
	WW.	100	1.7pF	±0.05pF	GJM1554C1H1R7WB01#	001	and I			3.5pF	±0.05pF	GJM1553C1H3R5WB01#
	NWV	To		±0.1pF	GJM1554C1H1R7BB01#		COM.	W			±0.1pF	GJM1553C1H3R5BB01#
		N.10	0 7.	±0.25pF	GJM1554C1H1R7CB01#	100	COM	. 1			±0.25pF	GJM1553C1H3R5CB01#
	WW	-x1 1	1.8pF	±0.05pF	GJM1554C1H1R8WB01#	1 100	7.0	LTW		3.6pF	±0.05pF	GJM1553C1H3R6WB01#
	WV	111.3		±0.1pF	GJM1554C1H1R8BB01#	-10	oy.Co.	VTI			±0.1pF	GJM1553C1H3R6BB01#
		NW		±0.25pF	GJM1554C1H1R8CB01#	M.r.	, CO	Mr.	N		±0.25pF	GJM1553C1H3R6CB01#
	1	-1	1.9pF	±0.05pF	GJM1554C1H1R9WB01#	TVI .1	00 1.	$M_{II}$		3.7pF	±0.05pF	GJM1553C1H3R7WB01#
	V			±0.1pF	GJM1554C1H1R9BB01#	-41	1001.	Mo.			±0.1pF	GJM1553C1H3R7BB01#
	-	WW		±0.25pF	GJM1554C1H1R9CB01#		· cox.		TV		±0.25pF	GJM1553C1H3R7CB01#
			2.0pF	±0.05pF	GJM1554C1H2R0WB01#		N.700	$CO_{N}$		3.8pF	±0.05pF	GJM1553C1H3R8WB01#
		11/1		±0.1pF	GJM1554C1H2R0BB01#		W.100 Y		$V_{IJ}$		±0.1pF	GJM1553C1H3R8BB01#
		W		±0.25pF	GJM1554C1H2R0CB01#	W	100	Y.CO	717		±0.25pF	GJM1553C1H3R8CB01#
		CJ	2.1pF	±0.05pF	GJM1553C1H2R1WB01#		MM.r	V.CC	Mar	3.9pF	±0.05pF	GJM1553C1H3R9WB01#
			N=1.19.	±0.1pF	GJM1553C1H2R1BB01#		WW.10	-7 C	$O_{M}$	o.op.	±0.1pF	GJM1553C1H3R9BB01#
				±0.25pF	GJM1553C1H2R1CB01#	-1	- XX 1	001.			±0.25pF	GJM1553C1H3R9CB01#
			2.2pF	±0.05pF	GJM1553C1H2R2WB01#	-	MMM	100Y.	СН	4.0pF	±0.05pF	GJM1552C1H4R0WB01#
				±0.05pr	GJM1553C1H2R2BB01#		TIWW.		CO	4.001	NT :	GJM1552C1H4R0BB01#
				-311	GJM1553C1H2R2CB01#		- X V	1.100)	- 0		±0.1pF	
			0.0-5	±0.25pF			MM.	100	1	44-F	±0.25pF	GJM1552C1H4R0CB01#
			2.3pF	±0.05pF	GJM1553C1H2R3WB01#		WW	W	ov.	4.1pF	±0.05pF	GJM1552C1H4R1WB01#
				±0.1pF	GJM1553C1H2R3BB01#	i.T	×1X	M.77	~ < 7		±0.1pF	GJM1552C1H4R1BB01#
				±0.25pF	GJM1553C1H2R3CB01#	N	1/1/	_TXN.1	001	100	±0.25pF	GJM1552C1H4R1CB01#
			2.4pF	±0.05pF	GJM1553C1H2R4WB01#		W	11	100	4.2pF	±0.05pF	GJM1552C1H4R2WB01#
				±0.1pF	GJM1553C1H2R4BB01#			JWW	. 1		±0.1pF	GJM1552C1H4R2BB01#
				±0.25pF	GJM1553C1H2R4CB01#	1 4		TANK	V.10	276	±0.25pF	GJM1552C1H4R2CB01#
			2.5pF	±0.05pF	GJM1553C1H2R5WB01#	TV		MM)	xx1 1	4.3pF	±0.05pF	GJM1552C1H4R3WB01#
				±0.1pF	GJM1553C1H2R5BB01#		N	WW	11.1		±0.1pF	GJM1552C1H4R3BB01#
				±0.25pF	GJM1553C1H2R5CB01#	W.			WW.	Ing	±0.25pF	GJM1552C1H4R3CB01#
			2.6pF	±0.05pF	GJM1553C1H2R6WB01#	$\overline{\Gamma}$ . $M_{\odot}$	11	W.	,	4.4pF	±0.05pF	GJM1552C1H4R4WB01#
				±0.1pF	GJM1553C1H2R6BB01#	_ 11	W				±0.1pF	GJM1552C1H4R4BB01#
				±0.25pF	GJM1553C1H2R6CB01#	OL					±0.25pF	GJM1552C1H4R4CB01#
			2.7pF	±0.05pF	GJM1553C1H2R7WB01#					4.5pF	±0.05pF	GJM1552C1H4R5WB01#

### GJM Series Temperature Compensating Type Part Number List

OVdc	CH	4.5pF 4.6pF 4.7pF 4.8pF	±0.1pF ±0.25pF ±0.05pF ±0.1pF ±0.05pF ±0.1pF ±0.25pF ±0.25pF ±0.05pF ±0.1pF ±0.25pF ±0.25pF	GJM1552C1H4R5BB01# GJM1552C1H4R5CB01# GJM1552C1H4R6WB01# GJM1552C1H4R6BB01# GJM1552C1H4R6CB01# GJM1552C1H4R7WB01# GJM1552C1H4R7BB01# GJM1552C1H4R7CB01# GJM1552C1H4R8WB01# GJM1552C1H4R8WB01# GJM1552C1H4R8BB01#	N	0.55mm	50Vdc	CH CO	6.0pF 6.1pF	±0.1pF ±0.25pF ±0.5pF ±0.05pF ±0.1pF ±0.25pF	GJM1552C1H6R0BB01# GJM1552C1H6R0CB01# GJM1552C1H6R0DB01# GJM1552C1H6R1WB01# GJM1552C1H6R1BB01#
W TW 1.TV 1.TV 1.TV 1.TV 1.TV 1.TV 1.TV 1.TV		4.7pF 4.8pF 4.9pF	±0.05pF ±0.1pF ±0.25pF ±0.05pF ±0.1pF ±0.25pF ±0.05pF ±0.1pF ±0.25pF ±0.05pF	GJM1552C1H4R6WB01# GJM1552C1H4R6BB01# GJM1552C1H4R6CB01# GJM1552C1H4R7WB01# GJM1552C1H4R7BB01# GJM1552C1H4R7CB01# GJM1552C1H4R8WB01# GJM1552C1H4R8WB01#			- 7	(O) (CO) (CO)	6.1pF	±0.5pF ±0.05pF ±0.1pF	GJM1552C1H6R0DB01# GJM1552C1H6R1WB01#
W TW 1.TV 1.TV 1.TV 1.TV 1.TV 1.TV 1.TV 1.TV		4.7pF 4.8pF 4.9pF	±0.1pF ±0.25pF ±0.05pF ±0.1pF ±0.25pF ±0.05pF ±0.1pF ±0.25pF ±0.05pF	GJM1552C1H4R6BB01# GJM1552C1H4R6CB01# GJM1552C1H4R7WB01# GJM1552C1H4R7BB01# GJM1552C1H4R7CB01# GJM1552C1H4R8WB01# GJM1552C1H4R8BB01#	I N		- 7	CO V.C	6.1pF	±0.05pF ±0.1pF	GJM1552C1H6R1WB01#
17V M.T OM. (CO) k.CO		4.8pF 4.9pF	±0.25pF ±0.05pF ±0.1pF ±0.25pF ±0.05pF ±0.1pF ±0.25pF ±0.25pF	GJM1552C1H4R6CB01# GJM1552C1H4R7WB01# GJM1552C1H4R7BB01# GJM1552C1H4R7CB01# GJM1552C1H4R8WB01# GJM1552C1H4R8BB01#	Į.		N.100X	K.C.C	6.1pF	±0.1pF	
17V M.T OM. (CO) k.CO		4.8pF 4.9pF	±0.05pF ±0.1pF ±0.25pF ±0.05pF ±0.1pF ±0.25pF ±0.05pF	GJM1552C1H4R7WB01# GJM1552C1H4R7BB01# GJM1552C1H4R7CB01# GJM1552C1H4R8WB01# GJM1552C1H4R8BB01#			N.100	y.C <sup>Q</sup>			GJM1552C1H6R1BB01#
0M; CON CON CON		4.8pF 4.9pF	±0.1pF ±0.25pF ±0.05pF ±0.1pF ±0.25pF ±0.05pF	GJM1552C1H4R7BB01# GJM1552C1H4R7CB01# GJM1552C1H4R8WB01# GJM1552C1H4R8BB01#	N		N.100	- C		±0.25pF	
0M; CON CON		4.9pF	±0.25pF ±0.05pF ±0.1pF ±0.25pF ±0.05pF	GJM1552C1H4R7CB01# GJM1552C1H4R8WB01# GJM1552C1H4R8BB01#	N		10				GJM1552C1H6R1CB01#
0M; CON CON		4.9pF	±0.05pF ±0.1pF ±0.25pF ±0.05pF	GJM1552C1H4R8WB01# GJM1552C1H4R8BB01#	N		_ < T \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \	DX.		±0.5pF	GJM1552C1H6R1DB01#
0M; CON CON		4.9pF	±0.1pF ±0.25pF ±0.05pF	GJM1552C1H4R8BB01#	N		W-2	ooy.	6.2pF	±0.05pF	GJM1552C1H6R2WB01#
0M; CON CON		4.9pF	±0.1pF ±0.25pF ±0.05pF	GJM1552C1H4R8BB01#	-		NW.Y	0	CON	±0.1pF	GJM1552C1H6R2BB01#
001 VC CO	VT. T.IV. VMO.		±0.25pF ±0.05pF	No.			WW.	700,		±0.25pF	GJM1552C1H6R2CB01#
	T.M. M.) OM		±0.05pF		W		M	- 100		±0.5pF	GJM1552C1H6R2DB01#
	OM W.J V.I		- 41	GJM1552C1H4R9WB01#			NWV	1.2	6.3pF	±0.05pF	GJM1552C1H6R3WB01#
	OM.	W		GJM1552C1H4R9BB01#	-		- TXX	N.1	0.0pi	±0.1pF	GJM1552C1H6R3BB01#
	OM Dar		±0.25pF	GJM1552C1H4R9CB01#	1.1		1111	- 1		±0.25pF	
	OM	E On E		KIN YOU	1 T		WV				
		5.0pF	±0.05pF	GJM1552C1H5R0WB01#	M.		-31	WW	0.4-5	±0.5pF	GJM1552C1H6R3DB01#
			±0.1pF	GJM1552C1H5R0BB01#			111		6.4pF	±0.05pF	GJM1552C1H6R4WB01#
	$C_{O_R}$	= 1124	±0.25pF	GJM1552C1H5R0CB01#	0 -		1			±0.1pF	GJM1552C1H6R4BB01#
100	CO	5.1pF	±0.05pF	GJM1552C1H5R1WB01#				WW		±0.25pF	
			±0.1pF	GJM1552C1H5R1BB01#					N.M.A	±0.5pF	GJM1552C1H6R4DB01#
. 100	Y.C		±0.25pF	GJM1552C1H5R1CB01#					6.5pF	±0.05pF	GJM1552C1H6R5WB01#
1.100	N.	Ohr	±0.5pF	GJM1552C1H5R1DB01#	J.C					±0.1pF	GJM1552C1H6R5BB01#
N.10	0 1.	5.2pF	±0.05pF	GJM1552C1H5R2WB01#			ĸī			±0.25pF	GJM1552C1H6R5CB01#
4	001		±0.1pF	GJM1552C1H5R2BB01#	01.				NN '	±0.5pF	GJM1552C1H6R5DB01#
W.	.00		±0.25pF	GJM1552C1H5R2CB01#	001		W		6.6pF	±0.05pF	GJM1552C1H6R6WB01#
NV	.10v		±0.5pF	GJM1552C1H5R2DB01#			TW			±0.1pF	GJM1552C1H6R6BB01#
	V.10	5.3pF	±0.05pF	GJM1552C1H5R3WB01#	700		. 1			±0.25pF	GJM1552C1H6R6CB01#
M	-11		±0.1pF	GJM1552C1H5R3BB01#	110		LIM			±0.5pF	GJM1552C1H6R6DB01#
WW	11.		±0.25pF	GJM1552C1H5R3CB01#	1		TV		6.7pF	±0.05pF	GJM1552C1H6R7WB01#
	W		±0.5pF	GJM1552C1H5R3DB01#	My		Mr.	(N)		±0.1pF	GJM1552C1H6R7BB01#
11		5.4pF	±0.05pF	GJM1552C1H5R4WB01#	o N		$M_{IJ}$	-1		±0.25pF	GJM1552C1H6R7CB01#
V	W	100	±0.1pF	GJM1552C1H5R4BB01#	1					±0.5pF	GJM1552C1H6R7DB01#
	TVV		±0.25pF	GJM1552C1H5R4CB01#	W		ON		6.8pF	- 311	GJM1552C1H6R8WB01#
	MA .		9	GJM1552C1H5B4DB01#			COM		<b>«</b> I		GJM1552C1H6R8BB01#
	W	5.5pF	W		1			$\Lambda$ . $\Gamma$			311110
	11	О.Ор.			W		Y.Co.	-17		- 1	GJM1552C1H6R8DB01#
			70	CONTRACTOR	- 1		J.CC	1	6 0nE		TAN TO A CO
	1		<del>- 4410 &gt;</del>				01.	OM	о.эрг		3111
	-	50.F	400				00 X.C			-	GJM1552C1H6R9BB01#
		5.6pF		V CUE AVI	<u> </u>		. Voo.	$C_{\mathbf{O}_{\mathcal{D}}}$		<u> </u>	4. A. A. A. A. A. A. A. A. A. A. A. A. A.
			111.	- CON.				CO	M		GJM1552C1H6R9DB01#
			-311	100 × 100 ×			17003		7.0pF		
		1	±0.5pF	GJM1552C1H5R6DB01#			100	Y.C		±0.1pF	GJM1552C1H7R0BB01#
		5.7pF	±0.05pF	GJM1552C1H5R7WB01#	<u> </u>		11.10	V (		±0.25pF	GJM1552C1H7R0CB01#
			±0.1pF	GJM1552C1H5R7BB01#			JW.10	10 y.	MOD	±0.5pF	GJM1552C1H7R0DB01#
			±0.25pF	GJM1552C1H5R7CB01#	N_		- 1	001	7.1pF	±0.05pF	GJM1552C1H7R1WB01#
			±0.5pF	GJM1552C1H5R7DB01#	(N)		M.M.	. 001		±0.1pF	GJM1552C1H7R1BB01#
		5.8pF	±0.05pF	GJM1552C1H5R8WB01#	- ×1		TININ	700		±0.25pF	GJM1552C1H7R1CB01#
			±0.1pF	GJM1552C1H5R8BB01#	LAA		1 11	v.10		±0.5pF	GJM1552C1H7R1DB01#
			±0.25pF	GJM1552C1H5R8CB01#			WW.	3.4	7.2pF	±0.05pF	GJM1552C1H7R2WB01#
			±0.5pF	GJM1552C1H5R8DB01#	-		- 7.7.7	11.7	00	±0.1pF	GJM1552C1H7R2BB01#
	Ì	5.9pF	±0.05pF	GJM1552C1H5R9WB01#	1.1		A.	NIN.		±0.25pF	
		- P	-	GJM1552C1H5R9BB01#	- 1		W	14 4.		-	GJM1552C1H7R2DB01#
			· ·		) IV.				7.3nF		
			-	1 100	ON				الإن. ،		GJM1552C1H7R3BB01#
	}	00.5	±0.05pF	GOW 10020 THOMBUBUT#	~			1		_ ±0.1pr	MONITOUZO III/ NODDU I#
	N N	WWW	5.4pF  5.5pF  5.6pF  5.8pF	±0.5pF 5.4pF ±0.05pF ±0.1pF ±0.25pF ±0.5pF 5.5pF ±0.05pF ±0.25pF ±0.5pF 5.6pF ±0.05pF ±0.1pF ±0.25pF ±0.1pF ±0.25pF ±0.5pF 5.7pF ±0.05pF ±0.1pF ±0.25pF ±0.1pF ±0.25pF ±0.1pF ±0.25pF ±0.5pF ±0.5pF	#0.5pF GJM1552C1H5R3DB01#  #0.05pF GJM1552C1H5R4WB01#  #0.1pF GJM1552C1H5R4BB01#  #0.5pF GJM1552C1H5R4DB01#  #0.5pF GJM1552C1H5R4DB01#  #0.1pF GJM1552C1H5R5BB01#  #0.1pF GJM1552C1H5R5DB01#  #0.5pF GJM1552C1H5R5DB01#  #0.5pF GJM1552C1H5R5DB01#  #0.1pF GJM1552C1H5R6BB01#  #0.25pF GJM1552C1H5R6DB01#  #0.25pF GJM1552C1H5R6DB01#  #0.25pF GJM1552C1H5R6DB01#  #0.1pF GJM1552C1H5R6DB01#  #0.1pF GJM1552C1H5R7BB01#  #0.25pF GJM1552C1H5R7BB01#  #0.25pF GJM1552C1H5R7BB01#  #0.25pF GJM1552C1H5R7BB01#  #0.25pF GJM1552C1H5R8BB01#  #0.25pF GJM1552C1H5R8BB01#  #0.25pF GJM1552C1H5R8BB01#  #0.25pF GJM1552C1H5R8BB01#  #0.25pF GJM1552C1H5R8BB01#  #0.25pF GJM1552C1H5R8BB01#  #0.25pF GJM1552C1H5R8BB01#  #0.25pF GJM1552C1H5R8BB01#  #0.25pF GJM1552C1H5R8BB01#  #0.25pF GJM1552C1H5R8BB01#  #0.25pF GJM1552C1H5R9WB01#  #0.25pF GJM1552C1H5R9BB01#	#0.5pF GJM1552C1H5R3DB01#  5.4pF	#0.5pF GJM1552C1H5R3DB01#  #0.1pF GJM1552C1H5R4WB01#  #0.25pF GJM1552C1H5R4CB01#  #0.5pF GJM1552C1H5R4DB01#  #0.1pF GJM1552C1H5R4DB01#  #0.1pF GJM1552C1H5R5WB01#  #0.1pF GJM1552C1H5R5DB01#  #0.25pF GJM1552C1H5R5DB01#  #0.5pF GJM1552C1H5R5DB01#  #0.1pF GJM1552C1H5R6DB01#  #0.1pF GJM1552C1H5R6DB01#  #0.5pF GJM1552C1H5R6DB01#  #0.5pF GJM1552C1H5R6DB01#  #0.5pF GJM1552C1H5R6DB01#  #0.5pF GJM1552C1H5R7WB01#  #0.5pF GJM1552C1H5R7DB01#  #0.5pF GJM1552C1H5R7DB01#  #0.5pF GJM1552C1H5R7DB01#  #0.5pF GJM1552C1H5R8BB01#  #0.5pF GJM1552C1H5R8BB01#  #0.5pF GJM1552C1H5R8BB01#  #0.5pF GJM1552C1H5R8BB01#  #0.5pF GJM1552C1H5R8BB01#  #0.5pF GJM1552C1H5R8BB01#  #0.5pF GJM1552C1H5R8DB01#  #0.5pF GJM1552C1H5R8DB01#  #0.5pF GJM1552C1H5R8DB01#  #0.5pF GJM1552C1H5R8DB01#  #0.5pF GJM1552C1H5R8DB01#  #0.5pF GJM1552C1H5R8DB01#  #0.5pF GJM1552C1H5R8DB01#  #0.5pF GJM1552C1H5R8DB01#	# ±0.5pF GJM1552C1H5R3DB01# # ±0.1pF GJM1552C1H5R4BB01# # ±0.25pF GJM1552C1H5R4BB01# # ±0.5pF GJM1552C1H5R4DB01# # ±0.5pF GJM1552C1H5R5WB01# # ±0.25pF GJM1552C1H5R5BB01# # ±0.25pF GJM1552C1H5R5DB01# # ±0.5pF GJM1552C1H5R5DB01# # ±0.5pF GJM1552C1H5R5DB01# # ±0.5pF GJM1552C1H5R6WB01# # ±0.5pF GJM1552C1H5R6BB01# # ±0.25pF GJM1552C1H5R6DB01# # ±0.25pF GJM1552C1H5R6DB01# # ±0.5pF GJM1552C1H5R6DB01# # ±0.5pF GJM1552C1H5R6DB01# # ±0.5pF GJM1552C1H5R7BB01# # ±0.25pF GJM1552C1H5R7BB01# # ±0.25pF GJM1552C1H5R7DB01# # ±0.5pF GJM1552C1H5R7DB01# # ±0.5pF GJM1552C1H5R7DB01# # ±0.5pF GJM1552C1H5R8BB01# # ±0.5pF GJM1552C1H5R8BB01# # ±0.5pF GJM1552C1H5R8DB01# # ±0.5pF GJM1552C1H5R8DB01# # ±0.5pF GJM1552C1H5R8DB01# # ±0.5pF GJM1552C1H5R8DB01# # ±0.5pF GJM1552C1H5R9DB01# # ±0.5pF GJM1552C1H5R9DB01# # ±0.5pF GJM1552C1H5R9DB01# # ±0.5pF GJM1552C1H5R9DB01# # ±0.5pF GJM1552C1H5R9DB01# # ±0.5pF GJM1552C1H5R9DB01# # ±0.5pF GJM1552C1H5R9DB01# # ±0.5pF GJM1552C1H5R9DB01# # ±0.5pF GJM1552C1H5R9DB01# # ±0.5pF GJM1552C1H5R9DB01# # ±0.5pF GJM1552C1H5R9DB01# # ±0.5pF GJM1552C1H5R9DB01# # ±0.5pF GJM1552C1H5R9DB01#	#0.5pF GJM1552C1H5R3DB01#  5.4pF	## ## ## ## ## ## ## ## ## ## ## ## ##	#0.5pF

### GJM Series

GMA Series

GQM Series GMD Series

GRJ Series | G

### GJM Series Temperature Compensating Type Part Number List

T max.	Rated Voltage	TC Code	Сар.	Tol.	Part Number	NN N	T max.	Rated Voltage	TC Code	Cap.	Tol.	Part Number
0.55mm	50Vdc	СН	7.3pF	±0.5pF	GJM1552C1H7R3DB01#		0.55mm	50Vdc	СН	8.7pF	±0.1pF	GJM1552C1H8R7BB01#
			7.4pF	±0.05pF	GJM1552C1H7R4WB01#			)() 1.	MO	1	±0.25pF	GJM1552C1H8R7CB01#
	W		WW	±0.1pF	GJM1552C1H7R4BB01#			00X.	. 01	V.T.V	±0.5pF	GJM1552C1H8R7DB01#
			WV	±0.25pF	GJM1552C1H7R4CB01#			1007	Co	8.8pF	±0.05pF	GJM1552C1H8R8WB01#
				±0.5pF	GJM1552C1H7R4DB01#				J C	)I/I·	±0.1pF	GJM1552C1H8R8BB01#
	LIW		7.5pF	±0.05pF	GJM1552C1H7R5WB01#			N.100	. C	$OM_{ij}$	±0.25pF	GJM1552C1H8R8CB01#
		N	1	±0.1pF	GJM1552C1H7R5BB01#			-x1 10	01.0	Mo	±0.5pF	GJM1552C1H8R8DB01#
	Mr.	N		±0.25pF	GJM1552C1H7R5CB01#			111	OV.	8.9pF	±0.05pF	GJM1552C1H8R9WB01#
	$O_{M',J}$			±0.5pF	GJM1552C1H7R5DB01#	1		NW.1		COD	±0.1pF	GJM1552C1H8R9BB01#
		$L_M$	7.6pF	±0.05pF	GJM1552C1H7R6WB01#	N.		WW	7003	- c0	±0.25pF	GJM1552C1H8R9CB01#
		W	1	±0.1pF	GJM1552C1H7R6BB01#	CAL		l'	100	N.C	±0.5pF	GJM1552C1H8R9DB01#
			N	±0.25pF	GJM1552C1H7R6CB01#	TV		WWW	100	9.0pF	±0.05pF	GJM1552C1H9R0WB01#
		$V_{IJ}$		±0.5pF	GJM1552C1H7R6DB01#			WW	$M_{T_{\ell}}$	~J (	±0.1pF	GJM1552C1H9R0BB01#
	Y.Co		7.7pF	±0.05pF		1.1			UN.	100 $x$ .	±0.25pF	GJM1552C1H9R0CB01#
	V.C	) N. P.	TW	±0.1pF	GJM1552C1H7R7BB01#	- N T		W		1007	±0.5pF	GJM1552C1H9R0DB01#
		OM	. I	±0.25pF		17/10		11	WW	9.1pF	±0.05pF	GJM1552C1H9R1WB01#
	001.	c01	1.7	±0.5pF	GJM1552C1H7R7DB01#	OM				N.Too	±0.1pF	GJM1552C1H9R1BB01#
			7.8pF	±0.05pF	1					W.10	±0.25pF	GJM1552C1H9R1CB01#
	. 004	$LC^{\mathbf{C}}$	Mich.	±0.1pF	GJM1552C1H7R8BB01#				WW	-11	±0.5pF	GJM1552C1H9R1DB01#
	V.100	<7 C	$O_{Mrr}$	±0.25pF		CC			NY.	9.2pF	±0.05pF	
	W.100	17.	MO	±0.5pF	GJM1552C1H7R8DB01#	-7 (				O.Zpi	±0.1pF	GJM1552C1H9R2BB01#
		101.	7.9pF	±0.05pF	1	1			1		±0.25pF	GJM1552C1H9R2CB01#
	VW.1	001	7.50	±0.00pi	GJM1552C1H7R9BB01#	MY.		N	4	MM	±0.5pF	GJM1552C1H9R2DB01#
		100.	1 CO	±0.25pF				NZ.		9.3pF	±0.05pF	GJM1552C1H9R3WB01#
		100	<b>Y</b> . •	±0.25pi	GJM1552C1H7R9DB01#	00.5		J. *		9.0pi	±0.05pi	GJM1552C1H9R3BB01#
	NWW	-110	8.0pF	±0.05pF	N N	100		TW		1/1/1/	±0.25pF	GJM1552C1H9R3CB01#
		N.r.	0.001	±0.03pi	GJM1552C1H8R0BB01#	40		WI		W	±0.5pF	GJM1552C1H9R3DB01#
		W.)	<b>1</b> 00 -	±0.25pF		1.10		1. TY	(I	9.4pF	±0.05pF	GJM1552C1H9R4WB01#
		TXX	700 x.	±0.25pf	GJM1552C1H8R0DB01#	013		$W_{T,T}$	. <del>«</del> 1	3. <del>4</del> pi	±0.05pi	GJM1552C1H9R4BB01#
		$M_{AA}$	8.1pF	±0.05pF		-41		T.MC	N		±0.25pF	1007.
			0. ipi	±0.03pi	GJM1552C1H8R1BB01#	WW		. 7	W		±0.25pi	GJM1552C1H9R4DB01#
		TXX	W.Too	±0.25pF	N. I.	W		COM.		9.5pF	1	GJM1552C1H9R5WB01#
		W.	W 10	10 Pr.				CON		9.5pr		TAN PORT
		W	0.05	±0.5pF	GJM1552C1H8R1DB01#	M			TI		±0.1pF ±0.25pF	GJM1552C1H9R5BB01#
		TX.	8.2pF	±0.05pF		W		Y.CU		W	±0.25pF	W
			WKK	±0.1pF ±0.25pF	GJM1552C1H8R2BB01# GJM1552C1H8R2CB01#			V CC	Mr.	0.6nE	· ·	GJM1552C1H9R5DB01#
			N	±0.25pF				0 7.	OM	9.6pF	<u> </u>	GJM1552C1H9R6WB01#
			0.05	4.00	GJM1552C1H8R2DB01#	-		00 X.C		TW	±0.1pF	GJM1552C1H9R6BB01#
			8.3pF	±0.05pF	N C TO			100Y	$CO_D$	TV	±0.25pF	AN WILLIAM TO THE STATE OF THE
			-18	±0.1pF	GJM1552C1H8R3BB01#				CO	0.7-5	±0.5pF	GJM1552C1H9R6DB01#
				±0.25pF	000			1.1007	. (1	9.7pF	±0.05pF	
			0.4.5	±0.5pF	GJM1552C1H8R3DB01#			W.100	N.C	· M.	±0.1pF	GJM1552C1H9R7BB01#
			8.4pF	±0.05pF						ON	±0.25pF	
				±0.1pF	GJM1552C1H8R4BB01#	1.1		VW.10		00.5	±0.5pF	GJM1552C1H9R7DB01#
				±0.25pF	3 100			WW.	001	9.8pF	- · · · - ·	GJM1552C1H9R8WB01#
				±0.5pF	GJM1552C1H8R4DB01#	W.		11	100	Y.Co	±0.1pF	GJM1552C1H9R8BB01#
			8.5pF	±0.05pF				WWW		V.CC	±0.25pF	N N
				±0.1pF	GJM1552C1H8R5BB01#	7 1		WW	1.70	v ·	±0.5pF	GJM1552C1H9R8DB01#
				±0.25pF	33 100	T		1	- 1	9.9pF	±0.05pF	
			_	±0.5pF	GJM1552C1H8R5DB01#	119		WW	71	100Y.	±0.1pF	GJM1552C1H9R9BB01#
			8.6pF	±0.05pF	OT WILL	Mr.		W	M.W.	1	±0.25pF	
				±0.1pF	GJM1552C1H8R6BB01#	M		4,1			±0.5pF	GJM1552C1H9R9DB01#
				±0.25pF	GJM1552C1H8R6CB01#					10pF	±2%	GJM1552C1H100GB01#
				±0.5pF	GJM1552C1H8R6DB01#	M <sub>P</sub>					±5%	GJM1552C1H100JB01#
			8.7pF	±0.05pF	GJM1552C1H8R7WB01#					11pF	±2%	GJM1552C1H110GB01#

### GJM Series Temperature Compensating Type High Q **Part Number List**

WW.100Y.COM.

12pF ±2% GJM1552C1H120JB01#  ±5% GJM1552C1H130JB01#  ±5% GJM1552C1H130JB01#  ±5% GJM1552C1H130JB01#  15pF ±2% GJM1552C1H150JB01#  ±5% GJM1552C1H150JB01#  16pF ±2% GJM1552C1H160JB01#  ±5% GJM1552C1H160JB01#  ±5% GJM1552C1H180JB01#  20pF ±2% GJM1552C1H180JB01#  ±5% GJM1552C1H180JB01#  22pF ±1% GJM1552C1H200JB01#  ±5% GJM1552C1H200JB01#  ±2% GJM1552C1H220JB01#  ±2% GJM1552C1H220JB01#  ±2% GJM1552C1H220JB01#  24pF ±1% GJM1552C1H240FB01#  ±2% GJM1552C1H240FB01#  ±2% GJM1552C1H240JB01#  27pF ±1% GJM1552C1H240JB01#  27pF ±1% GJM1552C1H270JB01#  30pF ±1% GJM1552C1H270JB01#  ±2% GJM1552C1H300JB01#  ±5% GJM1552C1H300JB01#  ±5% GJM1552C1H300JB01#  33pF ±1% GJM1552C1H330JB01#  ±5% GJM1552C1H330JB01#  ±5% GJM1552C1H300JB01#  ±5% GJM1552C1H300JB01#  ±5% GJM1552C1H300JB01#  ±5% GJM1552C1H300JB01#  ±5% GJM1552C1H300JB01#  ±5% GJM1552C1H300JB01#  ±5% GJM1552C1H300JB01#  ±5% GJM1552C1H300JB01#  ±5% GJM1552C1H300JB01#  ±5% GJM1552C1H300JB01#  ±5% GJM1552C1H300JB01#  ±5% GJM1552C1H300JB01#  ±5% GJM1552C1H300JB01#  ±5% GJM1552C1H300JB01#  ±5% GJM1552C1H300JB01#  ±5% GJM1552C1H300JB01#  ±5% GJM1552C1H300JB01#  ±5% GJM1552C1H300JB01#  ±5% GJM1552C1H430JB01#  ±5% GJM1552C1H430JB01#  ±5% GJM1552C1H430JB01#	Cap. Tol. Part Number	o. Tol. Part Number	Tol. Part Number	(Can I	TC Code	Rated oltage	Γ ax.
### ### ##############################	11pF ±5% <b>GJM1552C1H110JB01#</b>	F ±5% <b>GJM1552C1H110JB01</b>	±5% GJM1552C1H110JB01#	11pF ±	СН	50Vdc	n
13pF	12pF ±2% <b>GJM1552C1H120GB01</b> #	F ±2% <b>GJM1552C1H120GB0</b> <sup>1</sup>	±2% GJM1552C1H120GB01#	12pF ±2			
### ### ##############################	±5% GJM1552C1H120JB01#	±5% GJM1552C1H120JB01	±5% GJM1552C1H120JB01#	±!		N	
15pF ±2% GJM1552C1H150GB01# ±5% GJM1552C1H160GB01# ±5% GJM1552C1H160JB01# ±5% GJM1552C1H160JB01# ±5% GJM1552C1H180GB01# ±5% GJM1552C1H180JB01# 20pF ±2% GJM1552C1H200GB01# ±5% GJM1552C1H200JB01# ±5% GJM1552C1H200JB01# ±2% GJM1552C1H220GB01# ±5% GJM1552C1H220GB01# ±5% GJM1552C1H220JB01# 24pF ±1% GJM1552C1H240FB01# ±2% GJM1552C1H240FB01# ±2% GJM1552C1H240JB01# ±5% GJM1552C1H240JB01# ±5% GJM1552C1H270GB01# ±5% GJM1552C1H270JB01# 30pF ±1% GJM1552C1H300GB01# ±5% GJM1552C1H300JB01# ±5% GJM1552C1H300JB01# ±5% GJM1552C1H300JB01# ±5% GJM1552C1H300JB01# 33pF ±1% GJM1552C1H330JB01# ±2% GJM1552C1H330JB01# ±2% GJM1552C1H360JB01# ±5% GJM1552C1H360JB01# ±5% GJM1552C1H360JB01# ±5% GJM1552C1H390GB01# ±5% GJM1552C1H390GB01# ±5% GJM1552C1H390GB01# ±5% GJM1552C1H390GB01# ±5% GJM1552C1H390GB01# ±5% GJM1552C1H390GB01# ±5% GJM1552C1H390GB01# ±5% GJM1552C1H430FB01# ±2% GJM1552C1H430FB01#	13pF ±2% <b>GJM1552C1H130GB01</b> #	F ±2% <b>GJM1552C1H130GB0</b> 1	±2% GJM1552C1H130GB01#	13pF ±2			
### ### ##############################	±5% GJM1552C1H130JB01#	±5% GJM1552C1H130JB01	±5% GJM1552C1H130JB01#	±		1	
16pF ±2% GJM1552C1H160GB01# ±5% GJM1552C1H180JB01# 18pF ±2% GJM1552C1H180JB01# ±5% GJM1552C1H180JB01# ±5% GJM1552C1H200GB01# ±5% GJM1552C1H200JB01# ±5% GJM1552C1H220FB01# ±2% GJM1552C1H220JB01# ±5% GJM1552C1H220JB01# ±5% GJM1552C1H220JB01# ±5% GJM1552C1H240FB01# ±2% GJM1552C1H240JB01# ±2% GJM1552C1H240JB01# ±5% GJM1552C1H240JB01# ±5% GJM1552C1H270GB01# ±2% GJM1552C1H270GB01# ±5% GJM1552C1H270JB01# ±5% GJM1552C1H300FB01# ±2% GJM1552C1H300JB01# ±5% GJM1552C1H300JB01# ±5% GJM1552C1H300JB01# ±5% GJM1552C1H300JB01# ±5% GJM1552C1H300JB01# ±5% GJM1552C1H300JB01# ±5% GJM1552C1H300JB01# ±5% GJM1552C1H300JB01# ±5% GJM1552C1H300JB01# ±5% GJM1552C1H300JB01# ±5% GJM1552C1H300JB01# ±5% GJM1552C1H300JB01# ±2% GJM1552C1H390GB01# ±5% GJM1552C1H390JB01# ±5% GJM1552C1H390JB01# ±5% GJM1552C1H430FB01# ±5% GJM1552C1H430FB01# ±5% GJM1552C1H430JB01#	15pF ±2% <b>GJM1552C1H150GB01</b> #	F ±2% <b>GJM1552C1H150GB0</b> 1	±2% GJM1552C1H150GB01#	15pF ±2		TW	
### ### ##############################	±5% GJM1552C1H150JB01#	±5% GJM1552C1H150JB01	±5% GJM1552C1H150JB01#	±!		TT	
18pF ±2% GJM1552C1H180GB01# ±5% GJM1552C1H180JB01# 20pF ±2% GJM1552C1H200GB01# ±5% GJM1552C1H200JB01# ±2% GJM1552C1H220GB01# ±2% GJM1552C1H220GB01# ±5% GJM1552C1H220JB01# ±5% GJM1552C1H240FB01# ±2% GJM1552C1H240FB01# ±2% GJM1552C1H240JB01# ±5% GJM1552C1H240JB01# ±5% GJM1552C1H270FB01# ±2% GJM1552C1H270GB01# ±5% GJM1552C1H270JB01# ±5% GJM1552C1H300GB01# ±5% GJM1552C1H300JB01# ±2% GJM1552C1H300JB01# ±5% GJM1552C1H300JB01# ±5% GJM1552C1H300JB01# ±5% GJM1552C1H300JB01# ±5% GJM1552C1H300JB01# ±5% GJM1552C1H300JB01# ±5% GJM1552C1H300JB01# ±5% GJM1552C1H300JB01# ±5% GJM1552C1H300JB01# ±5% GJM1552C1H300JB01# ±5% GJM1552C1H300JB01# ±5% GJM1552C1H300JB01# ±5% GJM1552C1H300JB01# ±5% GJM1552C1H300JB01# ±2% GJM1552C1H390GB01# ±5% GJM1552C1H390GB01# ±5% GJM1552C1H430FB01# ±5% GJM1552C1H430JB01# ±5% GJM1552C1H430JB01#	16pF ±2% <b>GJM1552C1H160GB01</b> #	F ±2% <b>GJM1552C1H160GB0</b> 1	±2% GJM1552C1H160GB01#	16pF ±2	N	VI.	
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20pF ±2% GJM1552C1H200GB01# ±5% GJM1552C1H200JB01# 22pF ±1% GJM1552C1H220FB01# ±2% GJM1552C1H220GB01# ±5% GJM1552C1H220JB01# ±5% GJM1552C1H240FB01# ±2% GJM1552C1H240GB01# ±5% GJM1552C1H240JB01# ±5% GJM1552C1H270FB01# ±2% GJM1552C1H270GB01# ±2% GJM1552C1H270JB01# ±5% GJM1552C1H300FB01# ±5% GJM1552C1H300FB01# ±5% GJM1552C1H300JB01# ±5% GJM1552C1H300JB01# ±5% GJM1552C1H300JB01# ±5% GJM1552C1H300JB01# ±5% GJM1552C1H300JB01# ±5% GJM1552C1H300JB01# ±5% GJM1552C1H300JB01# ±5% GJM1552C1H300JB01# ±5% GJM1552C1H300JB01# ±5% GJM1552C1H300JB01# ±5% GJM1552C1H300JB01# ±2% GJM1552C1H300JB01# ±2% GJM1552C1H300JB01# ±5% GJM1552C1H300JB01# ±5% GJM1552C1H300JB01# ±5% GJM1552C1H300JB01# ±5% GJM1552C1H300JB01# ±5% GJM1552C1H430FB01# ±5% GJM1552C1H430FB01# ±5% GJM1552C1H430JB01#	18pF ±2% <b>GJM1552C1H180GB01</b> #	F ±2% <b>GJM1552C1H180GB0</b> 1	±2% GJM1552C1H180GB01#	18pF ±2		OM.	
### ### ##############################	±5% GJM1552C1H180JB01#	±5% GJM1552C1H180JB01	±5% GJM1552C1H180JB01#	±	TW	4	
22pF ±1% GJM1552C1H220FB01# ±2% GJM1552C1H220GB01# ±5% GJM1552C1H220JB01#  24pF ±1% GJM1552C1H240FB01# ±2% GJM1552C1H240GB01# ±5% GJM1552C1H240JB01# ±5% GJM1552C1H270FB01# ±2% GJM1552C1H270GB01# ±5% GJM1552C1H270JB01# ±5% GJM1552C1H300GB01# ±2% GJM1552C1H300GB01# ±2% GJM1552C1H300JB01# ±5% GJM1552C1H300JB01# ±5% GJM1552C1H300JB01# ±5% GJM1552C1H300JB01# ±2% GJM1552C1H300JB01# ±5% GJM1552C1H300JB01# ±5% GJM1552C1H300JB01# ±5% GJM1552C1H300JB01# ±5% GJM1552C1H390JB01# ±5% GJM1552C1H390GB01# ±5% GJM1552C1H390GB01# ±5% GJM1552C1H390GB01# ±5% GJM1552C1H390JB01# ±5% GJM1552C1H390JB01# ±5% GJM1552C1H430FB01# ±5% GJM1552C1H430FB01# ±5% GJM1552C1H430JB01# ±5% GJM1552C1H430JB01#	20pF ±2% <b>GJM1552C1H200GB01</b> #	F ±2% <b>GJM1552C1H200GB0</b> 1	±2% GJM1552C1H200GB01#	20pF ±2		$CO_{J_0}$	
#2% GJM1552C1H220GB01# #5% GJM1552C1H220JB01# #24pF #1% GJM1552C1H240FB01# #2% GJM1552C1H240GB01# #5% GJM1552C1H240JB01# #2% GJM1552C1H240JB01# #2% GJM1552C1H270FB01# #2% GJM1552C1H270JB01# #5% GJM1552C1H270JB01# #2% GJM1552C1H300FB01# #2% GJM1552C1H300JB01# #5% GJM1552C1H300JB01# #2% GJM1552C1H300JB01# #2% GJM1552C1H330JB01# #2% GJM1552C1H330JB01# #2% GJM1552C1H360JB01# #2% GJM1552C1H360JB01# #2% GJM1552C1H360JB01# #2% GJM1552C1H360JB01# #2% GJM1552C1H390GB01# #2% GJM1552C1H390GB01# #2% GJM1552C1H390GB01# #2% GJM1552C1H390JB01# #2% GJM1552C1H390JB01# #2% GJM1552C1H430FB01# #2% GJM1552C1H430FB01# #2% GJM1552C1H430JB01# #2% GJM1552C1H430JB01# #2% GJM1552C1H430JB01# #2% GJM1552C1H430JB01# #2% GJM1552C1H430JB01#	±5% GJM1552C1H200JB01#	±5% GJM1552C1H200JB01	±5% <b>GJM1552C1H200JB01#</b>	±	1.	col	
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24pF ±1% GJM1552C1H240FB01# ±2% GJM1552C1H240JB01# 25% GJM1552C1H240JB01# 27pF ±1% GJM1552C1H270FB01# ±2% GJM1552C1H270JB01# ±5% GJM1552C1H270JB01# 27pF ±1% GJM1552C1H270JB01# 25% GJM1552C1H300FB01# ±2% GJM1552C1H300JB01# 25% GJM1552C1H300JB01# 25% GJM1552C1H330JB01# 22% GJM1552C1H330JB01# 22% GJM1552C1H330JB01# 25% GJM1552C1H360FB01# 25% GJM1552C1H360JB01# 25% GJM1552C1H360JB01# 25% GJM1552C1H390JB01# 25% GJM1552C1H390JB01# 25% GJM1552C1H390JB01# 25% GJM1552C1H390JB01# 25% GJM1552C1H430FB01# 25% GJM1552C1H430FB01# 25% GJM1552C1H430JB01# 25% GJM1552C1H430JB01# 25% GJM1552C1H430JB01#	±2% GJM1552C1H220GB01#	±2% GJM1552C1H220GB01	±2% GJM1552C1H220GB01#	±2	-71	X.C.	
#2% GJM1552C1H240GB01# #5% GJM1552C1H240JB01# #27pF #1% GJM1552C1H270FB01# #2% GJM1552C1H270GB01# #5% GJM1552C1H270JB01# #5% GJM1552C1H270JB01# #2% GJM1552C1H300FB01# #2% GJM1552C1H300JB01# #5% GJM1552C1H300JB01# #2% GJM1552C1H330FB01# #2% GJM1552C1H330JB01# #2% GJM1552C1H330JB01# #2% GJM1552C1H360FB01# #2% GJM1552C1H360GB01# #2% GJM1552C1H360JB01# #2% GJM1552C1H390GB01# #2% GJM1552C1H390JB01# #2% GJM1552C1H390JB01# #2% GJM1552C1H390JB01# #2% GJM1552C1H390JB01# #2% GJM1552C1H430FB01# #2% GJM1552C1H430FB01# #2% GJM1552C1H430FB01# #2% GJM1552C1H430JB01# #2% GJM1552C1H430JB01# #25% GJM1552C1H430JB01#	±5% GJM1552C1H220JB01#	±5% GJM1552C1H220JB01	±5% <b>GJM1552C1H220JB01#</b>	±	$O_{M}$	OY.C	
### ### ##############################	24pF ±1% <b>GJM1552C1H240FB01#</b>	F ±1% <b>GJM1552C1H240FB01</b>	±1% GJM1552C1H240FB01#	24pF ±	COD	×7	
27pF ±1% GJM1552C1H270FB01# ±2% GJM1552C1H270GB01# ±5% GJM1552C1H270JB01#  25% GJM1552C1H300FB01# ±2% GJM1552C1H300GB01# ±5% GJM1552C1H300JB01# ±5% GJM1552C1H330JB01# ±2% GJM1552C1H330JB01# ±2% GJM1552C1H330JB01# ±5% GJM1552C1H360FB01# ±5% GJM1552C1H360JB01# ±2% GJM1552C1H360JB01# ±2% GJM1552C1H390GB01# ±5% GJM1552C1H390GB01# ±5% GJM1552C1H390JB01# ±5% GJM1552C1H390JB01# ±5% GJM1552C1H430FB01# ±5% GJM1552C1H430FB01# ±2% GJM1552C1H430JB01# ±5% GJM1552C1H430JB01#	±2% GJM1552C1H240GB01#	±2% GJM1552C1H240GB01	±2% GJM1552C1H240GB01#	±2	CO	00 1.	l
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### ### ##############################	27pF ±1% <b>GJM1552C1H270FB01#</b>	F ±1% <b>GJM1552C1H270FB01</b>	±1% GJM1552C1H270FB01#	27pF ±	V.C		I
30pF ±1% GJM1552C1H300FB01# ±2% GJM1552C1H300GB01# ±5% GJM1552C1H300JB01# ±5% GJM1552C1H330FB01# ±2% GJM1552C1H330GB01# ±5% GJM1552C1H330JB01# ±5% GJM1552C1H360FB01# ±2% GJM1552C1H360JB01# ±5% GJM1552C1H360JB01# ±5% GJM1552C1H390FB01# ±2% GJM1552C1H390GB01# ±2% GJM1552C1H390JB01# ±5% GJM1552C1H390JB01# ±5% GJM1552C1H430FB01# ±5% GJM1552C1H430FB01# ±2% GJM1552C1H430JB01# ±5% GJM1552C1H430JB01#	±2% GJM1552C1H270GB01#	±2% GJM1552C1H270GB01	±2% GJM1552C1H270GB01#	±2	~J (	1.100	
#2% GJM1552C1H300GB01# #5% GJM1552C1H300JB01# #2% GJM1552C1H330FB01# #2% GJM1552C1H330GB01# #5% GJM1552C1H330JB01# #2% GJM1552C1H330JB01# #2% GJM1552C1H360FB01# #2% GJM1552C1H360JB01# #25% GJM1552C1H360JB01# #26% GJM1552C1H390GB01# #27% GJM1552C1H390JB01# #26% GJM1552C1H390JB01# #27% GJM1552C1H430FB01# #25% GJM1552C1H430FB01# #25% GJM1552C1H430JB01# #25% GJM1552C1H430JB01# #25% GJM1552C1H430JB01#	±5% GJM1552C1H270JB01#	±5% GJM1552C1H270JB01	±5% GJM1552C1H270JB01#	±:	07.	W.19	
### ##################################	30pF ±1% <b>GJM1552C1H300FB01#</b>	F ±1% GJM1552C1H300FB01	±1% GJM1552C1H300FB01#	30pF ±	00%	_ 1	1
### ### ##############################	±2% GJM1552C1H300GB01#	±2% GJM1552C1H300GB01	±2% GJM1552C1H300GB01#		100	MAI.	t
### ##################################	±5% GJM1552C1H300JB01#	±5% GJM1552C1H300JB01	±5% GJM1552C1H300JB01#	CO ±	To	WW	
### ##################################	33pF ±1% <b>GJM1552C1H330FB01#</b>	F ±1% GJM1552C1H330FB01	±1% GJM1552C1H330FB01#	33pF ±	V.10		
36pF ±1% GJM1552C1H360FB01# ±2% GJM1552C1H360GB01# ±5% GJM1552C1H360JB01# 39pF ±1% GJM1552C1H390FB01# ±2% GJM1552C1H390JB01# ±5% GJM1552C1H390JB01# 43pF ±1% GJM1552C1H430FB01# ±2% GJM1552C1H430GB01# ±5% GJM1552C1H430JB01# 47pF ±1% GJM1552C1H470FB01#	±2% GJM1552C1H330GB01#	±2% GJM1552C1H330GB01	±2% GJM1552C1H330GB01#	±2	X 10	NV	ľ
±2% GJM1552C1H360GB01# ±5% GJM1552C1H360JB01# 39pF ±1% GJM1552C1H390FB01# ±2% GJM1552C1H390JB01# ±5% GJM1552C1H390JB01# 43pF ±1% GJM1552C1H430FB01# ±2% GJM1552C1H430JB01# ±5% GJM1552C1H430JB01#	±5% GJM1552C1H330JB01#	±5% GJM1552C1H330JB01	±5% <b>GJM1552C1H330JB01#</b>	±	1111	WW	
### ##################################	36pF ±1% <b>GJM1552C1H360FB01#</b>	F ±1% GJM1552C1H360FB01	±1% GJM1552C1H360FB01#	36pF ±	M	W	
39pF ±1% GJM1552C1H390FB01# ±2% GJM1552C1H390GB01# ±5% GJM1552C1H390JB01# 43pF ±1% GJM1552C1H430FB01# ±2% GJM1552C1H430GB01# ±5% GJM1552C1H430JB01# 47pF ±1% GJM1552C1H470FB01#	±2% GJM1552C1H360GB01#	±2% GJM1552C1H360GB01	±2% GJM1552C1H360GB01#	11.100 3 ±2	-		
±2% GJM1552C1H390GB01# ±5% GJM1552C1H390JB01# 43pF ±1% GJM1552C1H430FB01# ±2% GJM1552C1H430GB01# ±5% GJM1552C1H430JB01# 47pF ±1% GJM1552C1H470FB01#	±5% GJM1552C1H360JB01#	±5% GJM1552C1H360JB01	±5% GJM1552C1H360JB01#	±5		V	
±5% GJM1552C1H390JB01#  43pF ±1% GJM1552C1H430FB01#  ±2% GJM1552C1H430GB01#  ±5% GJM1552C1H430JB01#  47pF ±1% GJM1552C1H470FB01#	39pF ±1% <b>GJM1552C1H390FB01#</b>	F ±1% GJM1552C1H390FB01	±1% GJM1552C1H390FB01#	39pF ±	MM	1	
43pF ±1% GJM1552C1H430FB01# ±2% GJM1552C1H430GB01# ±5% GJM1552C1H430JB01# 47pF ±1% GJM1552C1H470FB01#	±2% GJM1552C1H390GB01#	±2% GJM1552C1H390GB01	±2% GJM1552C1H390GB01#	±2			
±2% GJM1552C1H430GB01# ±5% GJM1552C1H430JB01# 47pF ±1% GJM1552C1H470FB01#	±5% GJM1552C1H390JB01#	±5% <b>GJM1552C1H390JB01</b>	±5% GJM1552C1H390JB01#	±			
±5% <b>GJM1552C1H430JB01#</b> 47pF ±1% <b>GJM1552C1H470FB01#</b>	43pF ±1% <b>GJM1552C1H430FB01#</b>	F ±1% <b>GJM1552C1H430FB01</b>	±1% GJM1552C1H430FB01#	43pF ±	1/1		
47pF ±1% <b>GJM1552C1H470FB01#</b>	±2% GJM1552C1H430GB01#	±2% GJM1552C1H430GB01	±2% GJM1552C1H430GB01#	±2	1		
	±5% GJM1552C1H430JB01#	±5% GJM1552C1H430JB01	±5% GJM1552C1H430JB01#	±ŧ			
	47pF ±1% <b>GJM1552C1H470FB01#</b>	F ±1% GJM1552C1H470FB01	±1% GJM1552C1H470FB01#	47pF ±			l
±2% GJM1552C1H470GB01#	±2% GJM1552C1H470GB01#	±2% GJM1552C1H470GB01	±2% GJM1552C1H470GB01#	±2			
±5% GJM1552C1H470JB01#	±5% GJM1552C1H470JB01#	±5% GJM1552C1H470JB01	±5% GJM1552C1H470JB01#	±			
WWW.IOOY.COM. TW	M.M. To COM.	M.M. Too X. COM.	MM. TO COM. TW	Wix			

Top & Bottom Electrode Type for Bonding

### GMA Series



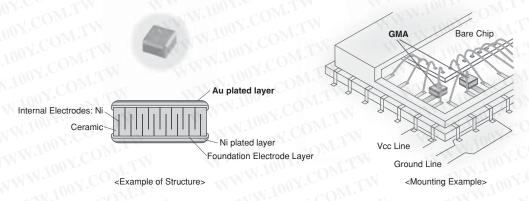
This capacitor is suitable for wire bonding mounting by the external electrodes of

Mounting in IC packages is also possible with the upper/lower electrode structure!

### **Features**

### Allows for high density mounting.

Noise can be reduced by eliminating the routing of the wire, and high efficiency can be achieved with a built-in capacitor in a package, such as IC. Miniaturization of the set is also possible.

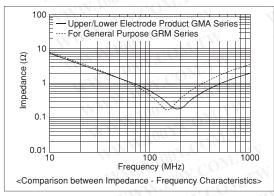


### Ideal for bypass applications.

Achieved small size and large capacity with a multilayer structure

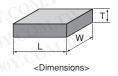
### Excellent in high frequency characteristics.

Since the capacitor consists of an upper/lower electrode structure, the current path becomes shorter and lowers the ESL. Compared with the general purpose GRM series of the same capacity, the impedance of this product becomes lower at high frequencies.



### Specifications

Size	0.38×0.38mm to 0.8×0.8mm
Rated Voltage	DC6.3V to 100V
Capacitance	100pF to 0.47μF
Main Applications	Optical communication related equipment     Various device related, such as GaAsIC (mounted in IC packages)     Measuring instruments, other ultra compact/thin devices



This catalog contains only a portion of the product lineup.

Please refer to the capacitor search tool on the Murata Web site for details.

### **GMA Series High Dielectric Constant Type Part Number List**

0.38	3×0.38	mm	Ultra- compact

T max.	Rated Voltage	TC Code	Сар.	Tol.	Part Number	
0.35mm	10Vdc	X7R	1000pF	±20%	GMA0D3R71A102MA01#	
	TIN		1500pF	±20%	GMA0D3R71A152MA01#	
dOM	. 7		1800pF	±20%	GMA0D3R71A182MA01#	
~ O1	LIN		10000pF	±20%	GMA0D3R71A103MA01#	
	TT	R	1000pF	±20%	GMA0D3R11A102MA01#	
	Mr.	W	1500pF	±20%	GMA0D3R11A152MA01#	
	$0_{M^{*}}$	-31	1800pF	±20%	GMA0D3R11A182MA01#	W
	Mo	In	10000pF	±20%	GMA0D3R11A103MA01#	
00 Y.		В	1000pF	±20%	GMA0D3B11A102MA01#	LA
.100X.C	COM		1500pF	±20%	GMA0D3B11A152MA01#	
	-7 CO	M.r	1800pF	±20%	GMA0D3B11A182MA01#	

### ■ 0.5×0.5mm

1	001.				W. 1001.	4 7 7 7	1/4		68000
T	Rated	тс	Cap.	Tol.	Part Number	WT			0.10
max.	Voltage	- cC	W.,		10	MI		В	33000
0.4mm	100Vdc	X7R	100pF	±20%	GMA05XR72A101MA01#	JW.T.			47000
	100	Y.C	150pF	±20%	GMA05XR72A151MA01#	WILLE			68000
	M.In.	~J (	220pF	±20%	GMA05XR72A221MA01#	ODA			0.10
	W.19	M r.	330pF	±20%	GMA05XR72A331MA01#	COM.	6.3Vdc	X5R	0.47μ
	-31	1007	470pF	±20%	GMA05XR72A471MA01#	T.M.T		В	0.47
	MM.	400	680pF	±20%	GMA05XR72A681MA01#	Y.Co.			
		Too	1000pF	±20%	GMA05XR72A102MA01#	A.COM.			
	25Vdc	X7R	1500pF	±20%	GMA05XR71E152MA11#	-1 COM.			
	MAN	- 1	2200pF	±20%	GMA05XR71E222MA11#	001.			
	WW	111.	3300pF	±20%	GMA05XR71E332MA11#				
		NW	4700pF	±20%	GMA05XR71E472MA11#	TO CO			
		В	1500pF	±20%	GMA05XB31E152MA11#	1.100			
	V	1111	2200pF	±20%	GMA05XB31E222MA11#	N 1007.			
	-	WW	3300pF	±20%	GMA05XB31E332MA11#	44. TOOX.C			
			4700pF	±20%	GMA05XB31E472MA11#	M.TO			
	10Vdc	X7R	6800pF	±20%	GMA05XR71A682MA01#	- 100 x			
		W	10000pF	±20%	GMA05XR71A103MA01#	100			
		_	15000pF	±20%	GMA05XR71A153MA01#	100			
			22000pF	±20%	GMA05XR71A223MA01#	- WW.10			
		R	6800pF	±20%	GMA05XR11A682MA01#	W.W.1			
			10000pF	±20%	GMA05XR11A103MA01#	- 11 11			
			15000pF	±20%	GMA05XR11A153MA01#	- MM M.			
			22000pF	±20%	GMA05XR11A223MA01#				
		В	6800pF	±20%	GMA05XB11A682MA01#	- //			
			10000pF	±20%	GMA05XB11A103MA01#	- 4111			
			15000pF	±20%	GMA05XB11A153MA01#				
			22000pF	±20%	GMA05XB11A223MA01#	_			
	6.3Vdc	X5R	0.10µF	±20%	GMA05XR60J104ME12#				
		В	0.10µF	±20%	GMA05XB30J104ME12#	4			
■ 0.8:	×0.8mı	m		V	WWW.100Y.COM.T	LM M			

### ■ 0.8×0.8mm

					- CO	3.0
T max.	Rated Voltage	TC Code	Cap.	Tol.	Part Number	M
0.6mm	100Vdc	X7R	1500pF	±20%	GMA085R72A152MA01#	Oliv
			2200pF	±20%	GMA085R72A222MA01#	

100Vdc	X7R	0000 5		
		3300pF	±20%	GMA085R72A332MA01#
00 2	MO.	4700pF	±20%	GMA085R72A472MA01#
		6800pF	±20%	GMA085R72A682MA01#
25Vdc	X7R	10000pF	±20%	GMA085R71E103MA11#
	J.C	15000pF	±20%	GMA085R71E153MA11#
	-7 (	22000pF	±20%	GMA085R71E223MA11#
	В	10000pF	±20%	GMA085B31E103MA11#
	OY.	15000pF	±20%	GMA085B31E153MA11#
MM.	0	22000pF	±20%	GMA085B31E223MA11#
10Vdc	X7R	33000pF	±20%	GMA085R71A333MA01#
	1.100	47000pF	±20%	GMA085R71A473MA01#
		68000pF	±20%	GMA085R71A683MA01#
WW	W.r.	0.10µF	±20%	GMA085R71A104MA01#
	R	33000pF	±20%	GMA085R11A333MA01#
		47000pF	±20%	GMA085R11A473MA01#
		68000pF	±20%	GMA085R11A683MA01#
	W	0.10µF	±20%	GMA085R11A104MA01#
	В	33000pF	±20%	GMA085B11A333MA01#
	M.	47000pF	±20%	GMA085B11A473MA01#
	W	68000pF	±20%	GMA085B11A683MA01#
		0.10µF	±20%	GMA085B11A104MA01#
6.3Vdc	X5R	0.47µF	±20%	GMA085R60J474ME12#
	В	0.47µF	±20%	GMA085B30J474ME12#
	10Vdc	B 10Vdc X7R R B 6.3Vdc X5R	10Vdc X7R 33000pF 68000pF 68000pF 68000pF 17000pF 68000pF 17000pF 68000pF 17000pF 68000pF 17000pF 68000pF 17000pF 68000pF 17000pF 68000pF 17000pF 68000pF 17000pF 68000pF 17000pF 68000pF 17000pF 68000pF 17000pF 68000pF 17000pF 68000pF 17000pF 68000pF 17000pF 68000pF 17000pF 68000pF 170	10Vdc X7R 33000pF ±20%    10Vdc X7R 33000pF ±20%   2000pF ±20%   15000pF ±20%   22000pF ±20%   22000pF ±20%   22000pF ±20%   22000pF ±20%   47000pF ±20%   68000pF ±20%   6

Product for Bonding/AuSn Soldering

### **GMD Series**

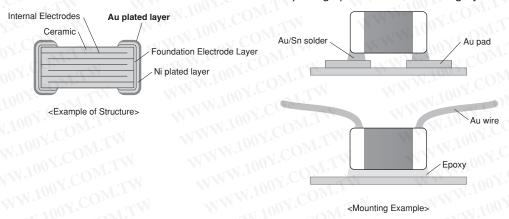


This capacitor is compatible to wire bonding mounting by the external electrodes of Au plating.

### **Features**

Can be mounted by wire bonding and AuSn soldering.

Since the external electrodes are based on the Au plating specification, mounting by wire/die bonding is possible.



Ideal for mounting in packages, such as optical communication related devices, IC and etc.

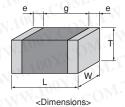
Noise can be reduced by eliminating the routing of the wire, and high efficiency can be achieved with a built-in capacitor in the package, such as TO-CAN, IC and etc. by wire bonding mounting.

Contributes to the miniaturization of the set.

Murata offers a lineup of small size products, such as the 0603 (0201) and 1005 (0402) in mm (inch).

### Specifications

Size	0.6×0.3mm to 1.0×0.5mm
Rated Voltage	DC6.3V to 50V
Capacitance	100pF to 1.0μF
Main Applications	Optical communication related equipment     Mounting in IC packages



This catalog contains only a portion of the product lineup.

Please refer to the capacitor search tool on the Murata Web site for details.

### **GMD Series High Dielectric Constant Type Part Number List**

Т	Rated	тс	TIVE:	10.	COM	
max.	Voltage		Cap.	Tol.	Part Number	
0.33mm	25Vdc	X7R	100pF	±10%	GMD033R71E101KA01#	
	TW		120pF	±10%	GMD033R71E121KA01#	
	. 1		150pF	±10%	GMD033R71E151KA01#	
	VII.		180pF	±10%	GMD033R71E181KA01#	
	TI	N	220pF	±10%	GMD033R71E221KA01#	
	Mr.	W	270pF	±10%	GMD033R71E271KA01#	
	$0_{M^*}$		330pF	±10%	GMD033R71E331KA01#	N
	Mo	LA	390pF	±10%	GMD033R71E391KA01#	×1
		TV	470pF	±10%	GMD033R71E471KA01#	
	$CO_{\lambda}$		560pF	±10%	GMD033R71E561KA01#	TY
	of CO	11.7	680pF	±10%	GMD033R71E681KA01#	
	7.0	W.	820pF	±10%	GMD033R71E821KA01#	17:7
	OY.C	- N	1000pF	±10%	GMD033R71E102KA01#	M.
		$O_{N_1}$	1200pF	±10%	GMD033R71E122KA01#	132
	00 -	COD	1500pF	±10%	GMD033R71E152KA01#	ON
	100%	R	100pF	±10%	GMD033R11E101KA01#	-01
		I.Cu	120pF	±10%	GMD033R11E121KA01#	
	1.700	V.C	150pF	±10%	GMD033R11E151KA01#	.C
	N.100		180pF	±10%	GMD033R11E181KA01#	.7 C
	-si 10	10 X .	220pF	±10%	GMD033R11E221KA01#	
	1111	OOY	270pF	±10%	GMD033R11E271KA01#	01.
	WW.	100	330pF	±10%	GMD033R11E331KA01#	003
		700	390pF	±10%	GMD033R11E391KA01#	UW.
	N.M.	xī 10	470pF	±10%	GMD033R11E471KA01#	100
	WW	14	560pF	±10%	GMD033R11E561KA01#	- 10
		W.)	680pF	±10%	GMD033R11E681KA01#	4-7
	111.	TIN.	820pF	±10%	GMD033R11E821KA01#	W.
	W	W	1000pF	±10%	GMD033R11E102KA01#	- 1
	1		1200pF	±10%	GMD033R11E122KA01#	
		TVV	1500pF	±10%	GMD033R11E152KA01#	W
		В	100pF	±10%	GMD033B11E101KA01#	
		W	120pF	±10%	GMD033B11E121KA01#	AN
		11	150pF	±10%	GMD033B11E151KA01#	W
			180pF	±10%	GMD033B11E181KA01#	- 1
			220pF	±10%	GMD033B11E221KA01#	
			270pF	±10%	GMD033B11E271KA01#	
			-xiv	±10%	GMD033B11E331KA01#	
			330pF	11 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1	GMD033B11E391KA01#	
			390pF	±10%	100 2 001.2	
			470pF	±10%	GMD033B11E471KA01#	
			560pF	±10%	GMD033B11E561KA01#	
			680pF	±10%	GMD033B11E681KA01#	6.1
			820pF	±10%	GMD033B11E821KA01#	N .
			1000pF	±10%	GMD033B11E102KA01#	(N
			1200pF	±10%	GMD033B11E122KA01#	
			1500pF	±10%	GMD033B11E152KA01#	7.
	16Vdc	X7R	1800pF	±10%	GMD033R71C182KA11#	
			2200pF	±10%	GMD033R71C222KA11#	19
			2700pF	±10%	GMD033R71C272KA11#	Mr.
			3300pF	±10%	GMD033R71C332KA11#	M
		R	1800pF	±10%	GMD033R11C182KA11#	
			2200pF	±10%	GMD033R11C222KA11#	Oh
			2700pF	±10%	GMD033R11C272KA11#	

T max.	Rated Voltage	TC Code	Сар.	Tol.	Part Number
0.33mm	16Vdc	R	3300pF	±10%	GMD033R11C332KA11#
	)U 1	В	1800pF	±10%	GMD033B31C182KA11#
	00,7.	-01	2200pF	±10%	GMD033B31C222KA11#
	1007	Co	2700pF	±10%	GMD033B31C272KA11#
	.10	J.C	3300pF	±10%	GMD033B31C332KA11#
	10Vdc	X7R	3900pF	±10%	GMD033R71A392KA01#
	-x 10	DX.	4700pF	±10%	GMD033R71A472KA01#
	1	OY.	5600pF	±10%	GMD033R71A562KA01#
	MN - 7	001	6800pF	±10%	GMD033R71A682KA01#
	WIN.	700	8200pF	±10%	GMD033R71A822KA01#
		1.100	10000pF	±10%	GMD033R71A103KA01#
	MW.	R	3900pF	±10%	GMD033R11A392KA01#
		W.r.	4700pF	±10%	GMD033R11A472KA01#
		WWW	5600pF	±10%	GMD033R11A562KA01#
			6800pF	±10%	GMD033R11A682KA01#
	W	M.	8200pF	±10%	GMD033R11A822KA01#
	<	VV	10000pF	±10%	GMD033R11A103KA01#
		В	3900pF	±10%	GMD033B11A392KA01#
		M.	4700pF	±10%	GMD033B11A472KA01#
		W	5600pF	±10%	GMD033B11A562KA01#
		1	6800pF	±10%	GMD033B11A682KA01#
	«1		8200pF	±10%	GMD033B11A822KA01#
	N		10000pF	±10%	GMD033B11A103KA01#
	6.3Vdc	X5R	56000pF	±10%	GMD033R60J563KE11#
	TW.		68000pF	±10%	GMD033R60J683KE11#
	. 1		82000pF	±10%	GMD033R60J823KE11#
	LTW		0.10µF	±10%	GMD033R60J104KE11#
	VTT	В	56000pF	±10%	GMD033B30J563KE11#
	Mr	W	68000pF	±10%	GMD033B30J683KE11#
	$OM_{IJ}$	- 1	82000pF	±10%	GMD033B30J823KE11#
	Mo	LM	0.10µF	±10%	GMD033B30J104KE11#

### ■ 1.0×0.5mm

T max.	Rated Voltage	TC Code	Сар.	Tol.	Part Number
0.55mm	50Vdc	X7R	220pF	±10%	GMD155R71H221KA01#
	JU - 7	COD	270pF	±10%	GMD155R71H271KA01#
	100%		330pF	±10%	GMD155R71H331KA01#
	. 1005	L.Cu	390pF	±10%	GMD155R71H391KA01#
	1.70	V.C	470pF	±10%	GMD155R71H471KA01#
	N.100	-7 (	560pF	±10%	GMD155R71H561KA01#
	XX 10	01.	680pF	±10%	GMD155R71H681KA01#
	1	OOY	820pF	±10%	GMD155R71H821KA01#
	WW.		1000pF	±10%	GMD155R71H102KA01#
	Wire	700	1200pF	±10%	GMD155R71H122KA01#
	1	V 10	1500pF	±10%	GMD155R71H152KA01#
	MM	1	1800pF	±10%	GMD155R71H182KA01#
	WW	11.7	2200pF	±10%	GMD155R71H222KA01#
	-11	W.	2700pF	±10%	GMD155R71H272KA01#
		100	3300pF	±10%	GMD155R71H332KA01#
			3900pF	±10%	GMD155R71H392KA01#
			4700pF	±10%	GMD155R71H472KA01#
		R	220pF	±10%	GMD155R11H221KA01#

# GJM Series

GMA Series ∬ GJI

GMD Series

KRM Series GR3 Series

### GMD Series High Dielectric Constant Type Part Number List

T max.	Rated Voltage	TC Code	Сар.	Tol.	Part Number
55mm	50Vdc	R	270pF	±10%	GMD155R11H271KA01#
			330pF	±10%	GMD155R11H331KA01#
			390pF	±10%	GMD155R11H391KA01#
	TW		470pF	±10%	GMD155R11H471KA01#
			560pF	±10%	GMD155R11H561KA01#
	1.1.11		680pF	±10%	GMD155R11H681KA01#
	TIL		820pF	±10%	GMD155R11H821KA01#
	Mr.	W	1000pF	±10%	GMD155R11H102KA01#
	$O_{M^{*}}$		1200pF	±10%	GMD155R11H122KA01#
	MO	Lin	1500pF	±10%	GMD155R11H152KA01#
	0	TV	1800pF	±10%	GMD155R11H182KA01#
	COD		2200pF	±10%	GMD155R11H222KA01#
	L CO	11.7	2700pF	±10%	GMD155R11H272KA01#
	1.0	M	3300pF	±10%	GMD155R11H332KA01#
	OY.C.	J.	3900pF	±10%	GMD155R11H392KA01#
	N.C	$O_{N_1}$	4700pF	±10%	GMD155R11H472KA01#
	00 1.	В	220pF	±10%	GMD155B11H221KA01#
	100%	- 0	270pF	±10%	GMD155B11H271KA01#
	400	I.Cu	330pF	±10%	GMD155B11H331KA01#
	1.100	V C	390pF	±10%	GMD155B11H391KA01#
	W.10	) 7.	470pF	±10%	GMD155B11H471KA01#
	-3110	01.	560pF	±10%	GMD155B11H561KA01#
	M	003	680pF	±10%	GMD155B11H681KA01#
	WW.	Ino.	820pF	±10%	GMD155B11H821KA01#
		1,100	1000pF	±10%	GMD155B11H102KA01#
	MM.	×1 10	1200pF	±10%	GMD155B11H122KA01#
	WW	W	1500pF	±10%	GMD155B11H152KA01#
		$M_{\gamma}$	1800pF	±10%	GMD155B11H182KA01#
	10.	-TXV	2200pF	±10%	GMD155B11H222KA01#
	W	M.	2700pF	±10%	GMD155B11H272KA01#
		W	3300pF	±10%	GMD155B11H332KA01#
		- TVV	3900pF	±10%	GMD155B11H392KA01#
		M.	4700pF	±10%	GMD155B11H472KA01#
	25Vdc	X7R	5600pF	±10%	GMD155R71E562KA01#
	25 vuc	XIII	6800pF	±10%	GMD155R71E682KA01#
			8200pF	±10%	GMD155R71E822KA01#
			10000pF	±10%	GMD155R71E103KA01#
			41 N.	±10%	GMD155R71E103KA01#
			12000pF	44	LT CUE
			15000pF	±10%	GMD155R71E153KA01#
			18000pF	±10%	GMD155R71E183KA01#
			22000pF	±10%	GMD155R71E223KA01#
			27000pF	±10%	GMD155R71E273KA11#
			33000pF	±10%	GMD155R71E333KA11#
			39000pF	±10%	GMD155R71E393KA11#
			47000pF	±10%	GMD155R71E473KA11#
		R	5600pF	±10%	GMD155R11E562KA01#
			6800pF	±10%	GMD155R11E682KA01#
			8200pF	±10%	GMD155R11E822KA01#
			10000pF	±10%	GMD155R11E103KA01#
			12000pF	±10%	GMD155R11E123KA01#
			15000pF	±10%	GMD155R11E153KA01#
			18000pF	±10%	GMD155R11E183KA01#
			22000pF	±10%	GMD155R11E223KA01#
	1	1	27000pF	±10%	GMD155R11E273KA11#

T max.	Rated Voltage	TC Code	Cap.	Tol.	Part Number	
0.55mm	25Vdc	R	33000pF	±10%	GMD155R11E333KA11#	
VW.1	)() x.	NO.	39000pF	±10%	GMD155R11E393KA11#	
	00,1.	a01	47000pF	±10%	GMD155R11E473KA11#	
	1007	В	5600pF	±10%	GMD155B11E562KA01#	
	.10	V.C	6800pF	±10%	GMD155B11E682KA01#	
	N.100	-7 C	8200pF	±10%	GMD155B11E822KA01#	
	XV.10	01.	10000pF	±10%	GMD155B11E103KA01#	
	-11	OY.	12000pF	±10%	GMD155B11E123KA01#	
	MM.	. 007	15000pF	±10%	GMD155B11E153KA01#	
	WW	100	18000pF	±10%	GMD155B11E183KA01#	
		1.100	22000pF	±10%	GMD155B11E223KA01#	
	MM.	` ~11(	27000pF	±10%	GMD155B31E273KA11#	
	WW	W	33000pF	±10%	GMD155B31E333KA11#	
		W.	39000pF	±10%	GMD155B31E393KA11#	
			47000pF	±10%	GMD155B31E473KA11#	
	16Vdc	X7R	56000pF	±10%	GMD155R71C563KA11#	
		W	68000pF	±10%	GMD155R71C683KA11#	
			82000pF	±10%	GMD155R71C823KA11#	
		111.	0.10µF	±10%	GMD155R71C104KA11#	
		R	56000pF	±10%	GMD155R11C563KA11#	
	N	1	68000pF	±10%	GMD155R11C683KA11#	
			82000pF	±10%	GMD155R11C823KA11#	
			0.10µF	±10%	GMD155R11C104KA11#	
		В	56000pF	±10%	GMD155B31C563KA11#	
			68000pF	±10%	GMD155B31C683KA11#	
			82000pF	±10%	GMD155B31C823KA11#	
	1.1.		0.10µF	±10%	GMD155B31C104KA11#	
	10Vdc	X5R	0.12µF	±10%	GMD155R61A124KE12#	
	I. I.	W	0.15µF	±10%	GMD155R61A154KE12#	
	DM.		0.18µF	±10%	GMD155R61A184KE12#	N
	.Mo	1.44	0.22µF	±10%	GMD155R61A224KE12#	
		TW	0.27µF	±10%	GMD155R61A274KE11#	
	COA	- 17	0.33µF	±10%	GMD155R61A334KE11#	TV
	7 CO	1.	0.39µF	±10%	GMD155R61A394KE11#	
	1.0	M.	0.47µF	±10%	GMD155R61A474KE11#	1.7
	M.C.	В	0.12µF	±10%	GMD155B31A124KE12#	M.
	NY.C	Ohr	0.15µF	±10%	GMD155B31A154KE12#	7.1.
	UU -	$CO_J$	0.18µF	±10%	GMD155B31A184KE12#	$\mathfrak{I}_{M_1}$
	100x.	00	0.22µF	±10%	GMD155B31A224KE12#	101
	1005	1.00	0.27µF	±10%	GMD155B31A274KE11#	
	1.20	V.C	0.33µF	±10%	GMD155B31A334KE11#	C
	W.100	- T (	0.39µF	±10%	GMD155B31A394KE11#	ı C
Al A.	TAN 10	01.	0.47µF	±10%	GMD155B31A474KE11#	2 1
41/	A 4.	Voo	U	W.	10	11.

High Frequency High Q Type 1608(in mm)/0603(in inch) Size Min.

### GQM Series



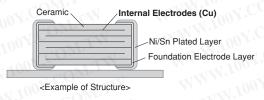


### High Frequency Capacitor Ideal for PA Design of Base Stations

### **Features**

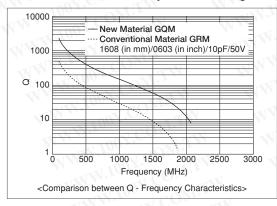
Mainly ideal for base stations of mobile communication devices and temperature compensation of related modules.

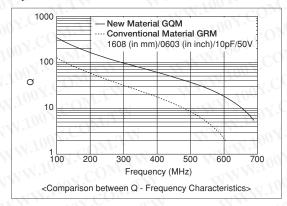
This product is ideal for temperature compensation of high frequency circuits, such as resonant circuits, tuning circuits, and impedance matching circuits where the operating characteristics of the device are greatly affected by the capacitance fluctuation.



High Q and low ESR in VHF, UHF and microwave frequency bands.

High Q and low ESR were achieved at a high frequency by adopting ceramic material as the dielectric material which enables an extremely low loss at high frequency, and base metal electrodes as the internal electrodes.





WWW.100Y.COM.T

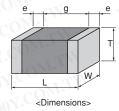
Can be used for tight tolerance.

In addition to standard tolerance, the allowable range of this product is also suitable for the following narrow tolerance. WWW.100Y.COM.

Standard Capacitance Tolerance (Capacitance Tolerance Symbol)	Narrow Capacitance Tolerance (Capacitance Tolerance Symbol)		
±0.1pF (B)	±0.05pF (W)		
±0.25pF (C)	±0.05pF (W), ±0.1pF (B)		
±0.5pF (D)	±0.05pF (W), ±0.1pF (B), ±0.25pF (C)		
±5% (J)	±2% (G)		
±5% (J)	±2% (G)		
	(Capacitance Tolerance Symbol)  ±0.1pF (B)  ±0.25pF (C)  ±0.5pF (D)		

### Specifications

Size	1.0×0.5mm to 2.8×2.8mm
Rated Voltage	DC50V to 500V
Capacitance	0.1pF to 200pF
Main Applications	Mobile phone base stations



This catalog contains only a portion of the product lineup. Please refer to the capacitor search tool on the Murata Web site for details.

# GJM Series ∬ (

GMD Series

GRJ Series GQM Series

### GQM Series Temperature Compensating Type Part Number List

### ■ 1.6×0.8mm

T max.	Rated Voltage	TC Code	Cap.	Tol.	Part Number	
).8mm	250Vdc	COG	1.0pF	±0.1pF	GQM1875C2E1R0BB12#	
				±0.25pF	GQM1875C2E1R0CB12#	
		-	1.1pF	±0.1pF	GQM1875C2E1R1BB12#	
	TIN			±0.25pF	GQM1875C2E1R1CB12#	_
	TT	N	1.2pF	±0.1pF	GQM1875C2E1R2BB12#	_
	Mr.	< XI		±0.25pF	GQM1875C2E1R2CB12#	_
	OM.	N .	1.3pF	±0.1pF	GQM1875C2E1R3BB12#	1
		IM	•	±0.25pF	GQM1875C2E1R3CB12#	-
	$CO_{D_{R}}$	TV	1.5pF	±0.1pF	GQM1875C2E1R5BB12#	V
	CON	1. 1	<b>X</b>	±0.25pF	GQM1875C2E1R5CB12#	
	- 0	V.T.	1.6pF	±0.1pF	GQM1875C2E1R6BB12#	-
	Y.Co	7	1.001	±0.25pF	GQM1875C2E1R6CB12#	ĺ.
	V.C	Divr.	1.8pF	±0.1pF	GQM1875C2E1R8BB12#	
	10 ×	$O_{M}$	i.opi		GQM1875C2E1R8CB12#	M
	001.		0.0nF	±0.25pF	3 100	77
	MAN Y	Co.	2.0pF	±0.1pF	GQM1875C2E2R0BB12#	_
	700	$_{I}$ $CO$	22.5	±0.25pF	GQM1875C2E2R0CB12#	C
	V.100		2.2pF	±0.1pF	GQM1875C2E2R2BB12#	_
	-100	N.V.		±0.25pF	GQM1875C2E2R2CB12#	
	11.1	N.	2.4pF	±0.1pF	GQM1875C2E2R4BB12#	1
	UV.1	JV = 1	c01	±0.25pF	GQM1875C2E2R4CB12#	_
		1001	2.7pF	±0.1pF	GQM1875C2E2R7BB12#	) )
	MAI.	400	I.Co.	±0.25pF	GQM1875C2E2R7CB12#	10
	ATWWW.	.70	3.0pF	±0.1pF	GQM1875C2E3R0BB12#	
		N.10	01.	±0.25pF	GQM1875C2E3R0CB12#	1/1
	MAN	- 1	3.3pF	±0.1pF	GQM1875C2E3R3BB12#	
	WW	M		±0.25pF	GQM1875C2E3R3CB12#	
		NW	3.6pF	±0.1pF	GQM1875C2E3R6BB12#	N
	W	-13		±0.25pF	GQM1875C2E3R6CB12#	1
	V		3.9pF	±0.1pF	GQM1875C2E3R9BB12#	
		WW		±0.25pF	GQM1875C2E3R9CB12#	N
			4.0pF	±0.1pF	GQM1875C2E4R0BB12#	1
		1111	- 1	±0.25pF	GQM1875C2E4R0CB12#	-
		W	4.3pF	±0.1pF	GQM1875C2E4R3BB12#	V
			WW	±0.25pF	CONTRACTOR	-
			4.7pF	±0.1pF	GQM1875C2E4R7BB12#	
			11.6	±0.25pF		
		-	5.0pF	±0.1pF	GQM1875C2E5R0BB12#	_
			3.0pi	±0.25pF	COMP	
		-	E 1 n E	-311	0.000	
			5.1pF	±0.25pF	1003-	_
		-	50.51	±0.5pF	GQM1875C2E5R1DB12#	_
			5.6pF	±0.25pF		_
		-		±0.5pF	GQM1875C2E5R6DB12#	_
			6.0pF	±0.25pF	GQM1875C2E6R0CB12#	N
				±0.5pF	GQM1875C2E6R0DB12#	
			6.2pF	±0.25pF	XXX-2 (0)21	-
				±0.5pF	GQM1875C2E6R2DB12#	1
			6.8pF	±0.25pF	GQM1875C2E6R8CB12#	
				±0.5pF	GQM1875C2E6R8DB12#	1
			7.0pF	±0.25pF	GQM1875C2E7R0CB12#	
				±0.5pF	GQM1875C2E7R0DB12#	
			7.5pF	±0.25pF	GQM1875C2E7R5CB12#	J
				±0.5pF	GQM1875C2E7R5DB12#	_

T Rated Voltage		TC Code	Cap.	Tol.	Part Number		
0.8	mm	250Vdc	COG	8.0pF	±0.25pF	GQM1875C2E8R0CB12#	
		JU = 7 (	4ON		±0.5pF	GQM1875C2E8R0DB12#	
		00%	-01	8.2pF	±0.25pF	GQM1875C2E8R2CB12#	
		1007	CO		±0.5pF	GQM1875C2E8R2DB12#	
		.70	JC	9.0pF	±0.25pF	GQM1875C2E9R0CB12#	
		N.100			±0.5pF	GQM1875C2E9R0DB12#	
		-x1 10	01.	9.1pF	±0.25pF	GQM1875C2E9R1CB12#	
		W	ooy.		±0.5pF	GQM1875C2E9R1DB12#	
		$N_{M''}$		10pF	±2%	GQM1875C2E100GB12#	
		- TVV	700		±5%	GQM1875C2E100JB12#	
			100	11pF	±2%	GQM1875C2E110GB12#	
		NW	4.0		±5%	GQM1875C2E110JB12#	
		- NIN	11.77	12pF	±2%	GQM1875C2E120GB12#	
		M.	TVI.	00.7.	±5%	GQM1875C2E120JB12#	
				13pF	±2%	GQM1875C2E130GB12#	
		W	MN		±5%	GQM1875C2E130JB12#	
			(WY	15pF	±2%	GQM1875C2E150GB12#	
			M. A.	W.10	±5%	GQM1875C2E150JB12#	
			MM	16pF	±2%	GQM1875C2E160GB12#	
				MAIN	±5%	GQM1875C2E160JB12#	
				18pF	+2%	GQM1875C2E180GB12#	
				1 1 1 P	±5%	GQM1875C2E180JB12#	
		N	1	20pF	±2%	GQM1875C2E200GB12#	
		W		200	±5%	GQM1875C2E200JB12#	
		- 1		22pF	±2%	GQM1875C2E220GB12#	
		IN		LLP.	±5%	GQM1875C2E220JB12#	
		WT		24pF	±2%	GQM1875C2E240GB12#	
		1.	(I	p.	±5%	GQM1875C2E240JB12#	
		M.r.	- 1	27pF	±2%	GQM1875C2E270GB12#	
		T.M	N	_ / pi	±5%	GQM1875C2E270JB12#	-
		Or.	W	30pF	±2%	GQM1875C2E300GB12#	-
		OM.	-CVA	оорі	±5%	GQM1875C2E300JB12#	W
		CON		33pF	±2%	GQM1875C2E330GB12#	
			LT	оорі	±5%	GQM1875C2E330JB12#	
		Y.CO.	- 17	36pF	±2%	GQM1875C2E360GB12#	T
		V.CC	) IV.	ООРІ	±5%	GQM1875C2E360JB12#	- 11
		0 2	OM	39pF	±2%	GQM1875C2E390GB12#	1
		001.		Зэрг		M. 3 100 5.	M
		. Mary	$Co_{z}$	12nE	±5%	GQM1875C2E390JB12# GQM1875C2E430GB12#	
		In	CO	43pF	±2% ±5%	GQM1875C2E430GB12#	
		$1.700_{\odot}$	- C(	47nF		GQM1875C2E4303B12#	CO
		x 100	1.0	47pF	±2%		~ ~!
0.0	<b>A</b>	1001/-	000	10-5	±5%	GQM1875C2E470JB12#	
0.9	mm	100Vdc	COG	1.0pF	±0.1pF	GQM1885C2A1R0BB01#	7.
		TIN.	100  s	- 001	±0.25pF	GQM1885C2A1R0CB01#	_7
		11	100	1.1pF	±0.1pF	GQM1885C2A1R1BB01#	07
		MAN		Vac-	±0.25pF	GQM1885C2A1R1CB01#	
			1.70	1.2pF	±0.1pF	GQM1885C2A1R2BB01#	
		M.	W.1	001.	±0.25pF	GQM1885C2A1R2CB01#	
		WW		1.3pF	±0.1pF	GQM1885C2A1R3BB01#	
		NY	MAN	» ·	±0.25pF	GQM1885C2A1R3CB01#	
		41		1.5pF	±0.1pF	GQM1885C2A1R5BB01#	
					±0.25pF	GQM1885C2A1R5CB01#	
				1.6pF	±0.1pF	GQM1885C2A1R6BB01#	
					±0.25pF	GQM1885C2A1R6CB01#	
				Part nu	mber # indio	cates the package specification of	ode.

### GQM Series Temperature Compensating Type Part Number List

(→ **■** 1.6×0.8mm)

T nax.	Rated Voltage	TC Code	Сар.	Tol.	Part Number	T max.	Rated Voltage	TC Code	Ca
9mm	100Vdc	COG	1.8pF	±0.1pF	GQM1885C2A1R8BB01#	0.9mm	100Vdc	CJ	2.4
				±0.25pF	GQM1885C2A1R8CB01#	WW.1	-7 (	ON	L. 1
			2.0pF	±0.1pF	GQM1885C2A2R0BB01#	-W 11 .	00%		2.7
	TW			±0.25pF	GQM1885C2A2R0CB01#	= MM ///.	1007	Co	- 1
	. 1		2.2pF	±0.1pF	GQM1885C2A2R2BB01#		.10	V.CC	3.0
	T.J.		111	±0.25pF	GQM1885C2A2R2CB01#		N.100	-1 C	O)
	TIM	N	2.4pF	±0.1pF	GQM1885C2A2R4BB01#		W 10	01.	3.3
	) IV z	W		±0.25pF	GQM1885C2A2R4CB01#	WW	1	ON.	
	$O_{M^*}$ ,		2.7pF	±0.1pF	GQM1885C2A2R7BB01#		MM.	.005	3.6
	MO	1.	-	±0.25pF	GQM1885C2A2R7CB01#	<u> </u>	WW	Ino.	<b>27</b> (
		TY	3.0pF	±0.1pF	GQM1885C2A3R0BB01#			1.100	3.9
	COR		N	±0.25pF	GQM1885C2A3R0CB01#		MM.	110	07
	ST CO	M. r	3.3pF	±0.1pF	GQM1885C2A3R3BB01#		WW	CH	4.0
	1.0	W		±0.25pF	GQM1885C2A3R3CB01#	E.		TVI.	100
	01.0	~1/	3.6pF	±0.1pF	GQM1885C2A3R6BB01#	IN	111	LIXI	4.3
	O.V.C	$O_{D_{2}}$	W	±0.25pF	GQM1885C2A3R6CB01#	WT	W	M.	-11
		COJ	3.9pF	±0.1pF	GQM1885C2A3R9BB01#	T. TIN	<	W	4.7
	$^{100x}$			±0.25pF	GQM1885C2A3R9CB01#	Wil	`	-111	W.
	1100		4.0pF	±0.1pF	GQM1885C2A4R0BB01#	- $M.T.W$		M.	5.0
	N.Y.	v.C		±0.25pF	GQM1885C2A4R0CB01#	Wra		W	M.
	M.70	-7	4.3pF	±0.1pF	GQM1885C2A4R3BB01#	COMP		1	5.1
	-XX 19	10 X .		±0.25pF	GQM1885C2A4R3CB01#	COM',	-1		
	N 111	007	4.7pF	±0.1pF	GQM1885C2A4R7BB01#	T.M.T	N		5.6
	MM.	00		±0.25pF	GQM1885C2A4R7CB01#	Y.CO	W		W
	TAN W	700	5.0pF	±0.1pF	GQM1885C2A5R0BB01#	COM.			6.0
	M. A.	N 10		±0.25pF	GQM1885C2A5R0CB01#	$\omega_{r}$ $^{COM}$	11		
	MM.		5.1pF	±0.25pF	GQM1885C2A5R1CB01#	001.00	LTW		6.2
	TALVA	11/1		±0.5pF	GQM1885C2A5R1DB01#	- OUN CO	TV	V	
		VIVI	5.6pF	±0.25pF	GQM1885C2A5R6CB01#	CC	Mir	(N	6.8
	N.	1		±0.5pF	GQM1885C2A5R6DB01#	1.100 J.	$M_{i,j}$		
	V		6.0pF	±0.25pF	GQM1885C2A6R0CB01#	- 100 Y.C	50Vdc	COG	7.0
	-	WW		±0.5pF	GQM1885C2A6R0DB01#	You Y.	CON	TW	
		-18	6.2pF	±0.25pF	GQM1885C2A6R2CB01#	N. Inc	$CO_{J_{A}}$		7.5
				±0.5pF	GQM1885C2A6R2DB01#	= 100 y	· c01	17.7	
		W	6.8pF	±0.25pF	GQM1885C2A6R8CB01#	100		MI	8.0
		4		±0.5pF	GQM1885C2A6R8DB01#	MAN	V.C.	1	TV
		CK	1.0pF	±0.1pF	GQM1884C2A1R0BB01#	- MM.In	~1.C	OM	8.2
				±0.25pF	GQM1884C2A1R0CB01#	=v `	00 1.	COD	1.1
			1.1pF	±0.1pF	GQM1884C2A1R1BB01#	- 11 11	1007.		9.0
				±0.25pF	GQM1884C2A1R1CB01#		100	.co	- N
			1.2pF	±0.1pF	GQM1884C2A1R2BB01#	= \ <u></u>	Too	V.C	9.1
				±0.25pF	GQM1884C2A1R2CB01#	= \/\\ \'\	N.101		0
			1.3pF	±0.1pF	GQM1884C2A1R3BB01#	- 4111	-x1 10	OY.	10
				±0.25pF	GQM1884C2A1R3CB01#		111	001	Cr
			1.5pF	±0.1pF	GQM1884C2A1R5BB01#	_	WW.		111
			•		GQM1884C2A1R5CB01#	_ \\\	- T X X	100	
			1.6pF	±0.1pF	GQM1884C2A1R6BB01#	4	AM.	kī 10	12
			•		GQM1884C2A1R6CB01#	N.	WW	N	NOV.
			1.8pF	±0.1pF	GQM1884C2A1R8BB01#		TATE!	$M_{T_i}$	13
			- 14.	-	GQM1884C2A1R8CB01#	7.//	M.	TIN.	700
			2.0pF	±0.1pF	GQM1884C2A2R0BB01#	TW	W	14 4.	15
			1-	±0.25pF		- TW			
					77 · · · · · · · · · · · · · · · · · ·	H/. 1- 1		1	<u> </u>
		CJ	2.2pF	±0.1pF	GQM1883C2A2R2BB01#				16

max.	Voltage	Code	CAND.			
0.9mm	100Vdc	CJ	2.4pF	±0.1pF	GQM1883C2A2R4BB01#	
	-7 (	CON	- 1	±0.25pF	GQM1883C2A2R4CB01#	
	001.	001	2.7pF	±0.1pF	GQM1883C2A2R7BB01#	
	1007			±0.25pF	GQM1883C2A2R7CB01#	
	.10	V.C	3.0pF	±0.1pF	GQM1883C2A3R0BB01#	
	N.100	-1 C	$O_{IV}$	±0.25pF	GQM1883C2A3R0CB01#	
	N.10	01.	3.3pF	±0.1pF	GQM1883C2A3R3BB01#	
	1	ON.		±0.25pF	GQM1883C2A3R3CB01#	
	MM.	. 003	3.6pF	±0.1pF	GQM1883C2A3R6BB01#	
	WW.	700	-7 CO	±0.25pF	GQM1883C2A3R6CB01#	
		1.100	3.9pF	±0.1pF	GQM1883C2A3R9BB01#	
	MM	110	01.0	±0.25pF	GQM1883C2A3R9CB01#	
	WW	СН	4.0pF	±0.1pF	GQM1882C2A4R0BB01#	
		W.	100	±0.25pF	GQM1882C2A4R0CB01#	
			4.3pF	±0.1pF	GQM1882C2A4R3BB01#	
	W	11.	100	±0.25pF	GQM1882C2A4R3CB01#	
	<		4.7pF	±0.1pF	GQM1882C2A4R7BB01#	
			M.Jo.	±0.25pF	GQM1882C2A4R7CB01#	
		M.,	5.0pF	±0.1pF	GQM1882C2A5R0BB01#	
		W	M	±0.25pF	GQM1882C2A5R0CB01#	
		11	5.1pF	±0.25pF	GQM1882C2A5R1CB01#	
	rs.T		TWV	±0.5pF	GQM1882C2A5R1DB01#	
			5.6pF	±0.25pF	GQM1882C2A5R6CB01#	
	W		A A	±0.5pF	GQM1882C2A5R6DB01#	
	W		6.0pF	±0.25pF	GQM1882C2A6R0CB01#	
	·			±0.5pF	GQM1882C2A6R0DB01#	
	1.7.	17	6.2pF	±0.25pF	GQM1882C2A6R2CB01#	
	M.TV	N		±0.5pF	GQM1882C2A6R2DB01#	
	T	W	6.8pF	±0.25pF	GQM1882C2A6R8CB01#	
	$O_{Mr}$	- N		±0.5pF	GQM1882C2A6R8DB01#	V.
	50Vdc	COG	7.0pF	±0.25pF	GQM1885C1H7R0CB01#	·
		TW		±0.5pF	GQM1885C1H7R0DB01#	. ' '
	Co	TI	7.5pF	±0.25pF	GQM1885C1H7R5CB01#	
	V.CO	Nr.	11	±0.5pF	GQM1885C1H7R5DB01#	4
	-7 CC	$M_{\cdot}$	8.0pF	±0.25pF	GQM1885C1H8R0CB01#	1
	01.	Mo	00.5	±0.5pF	GQM1885C1H8R0DB01#	<u> </u>
	00 X.C		8.2pF	±0.25pF	GQM1885C1H8R2CB01#	W
	. You.	$Co_h$	202	±0.5pF	GQM1885C1H8R2DB01#	Jan
	Ino	CO	9.0pF	±0.25pF	GQM1885C1H9R0CB01#	
	1.100	. (1	0.4-5	±0.5pF	GQM1885C1H9R0DB01# GQM1885C1H9R1CB01#	<del>(0</del>
	× 100	N.	9.1pF	±0.25pF		
	W	ov.	1005	±0.5pF	GQM1885C1H9R1DB01#	
	111.77		10pF	±2% ±5%	GQM1885C1H100GB01# GQM1885C1H100JB01#	17.
	aiW.1	00 ,	11pF	1	GQM1885C1H110GB01#	<u>√</u>
		100	Lipi	±2% ±5%	GQM1885C1H110JB01#	707
	MAN	. 10	12pF	±2%	GQM1885C1H120GB01#	—
	WW	1.10	12pi	±5%	GQM1885C1H120JB01#	—
		W.1	13pF	±2%	GQM1885C1H130GB01#	—
	MA	TIN	ТОРГ	±5%	GQM1885C1H130JB01#	—
	W	M. A.	15pF	±2%	GQM1885C1H150GB01#	—
			. John	±5%	GQM1885C1H150JB01#	
			16pF	±2%	GQM1885C1H160GB01#	
			. 56,	±5%	GQM1885C1H160JB01#	
	1		Part nu		cates the package specification	code

Tol.

Part Number

# GJM Series

**GMA** Series

**GMD** Series

**GRJ** Series

GR3 Series KRM Series

### GQM Series Temperature Compensating Type Part Number List

T nax.	Rated Voltage	TC Code	Сар.	Tol.	Part Number
.9mm	50Vdc	COG	18pF	±2%	GQM1885C1H180GB01#
				±5%	GQM1885C1H180JB01#
			20pF	±2%	GQM1885C1H200GB01#
	TIN			±5%	GQM1885C1H200JB01#
			22pF	±2%	GQM1885C1H220GB01#
	TIM			±5%	GQM1885C1H220JB01#
	TT	N	24pF	±2%	GQM1885C1H240GB01#
	Mr.			±5%	GQM1885C1H240JB01#
	$O_{M_{1}}$		27pF	±2%	GQM1885C1H270GB01#
	LOW.			±5%	GQM1885C1H270JB01#
	CO	W	30pF	±2%	GQM1885C1H300GB01#
	$CO_N$	1.0		±5%	GQM1885C1H300JB01#
	- c0	$M_{IJ}$	33pF	±2%	GQM1885C1H330GB01#
	1.0	M		±5%	GQM1885C1H330JB01#
	OY.C	) N	36pF	±2%	GQM1885C1H360GB01#
	N.C	$O_{M_{I}}$		±5%	GQM1885C1H360JB01#
	00 7.	COD	39pF	±2%	GQM1885C1H390GB01#
	1007		$MT^{V}$	±5%	GQM1885C1H390JB01#
		I.C.	43pF	±2%	GQM1885C1H430GB01#
	1.700	J C	Div.	±5%	GQM1885C1H430JB01#
	W.101		47pF	±2%	GQM1885C1H470GB01#
	-3110	01.		±5%	GQM1885C1H470JB01#
	M	OOX	51pF	±2%	GQM1885C1H510GB01#
	WW.	The .		±5%	GQM1885C1H510JB01#
		100	56pF	±2%	GQM1885C1H560GB01#
	MAN.	×1 10	M.C.	±5%	GQM1885C1H560JB01#
	WW	M	62pF	±2%	GQM1885C1H620GB01#
		W.)	00 F	±5%	GQM1885C1H620JB01#
	14.	TN.	68pF	±2%	GQM1885C1H680GB01#
	W		1005	±5%	GQM1885C1H680JB01#
	V		75pF	±2%	GQM1885C1H750GB01#
			W.In.	±5%	GQM1885C1H750JB01#
			82pF	±2%	GQM1885C1H820GB01#
			\ <del>1=1</del> -1	±5%	GQM1885C1H820JB01#
		W	91pF	±2%	GQM1885C1H910GB01#
			WW	±5%	GQM1885C1H910JB01#
			100pF	±2%	GQM1885C1H101GB01#
			MA	±5%	GQM1885C1H101JB01#
		СН	7.0pF	±0.25pF	St.CHillard
				±0.5pF	GQM1882C1H7R0DB01#
			7.5pF	±0.25pF	100 × 100 × 1
			7.00.	±0.5pF	GQM1882C1H7R5DB01#
			8.0pF	±0.25pF	
			о.орі	±0.5pF	GQM1882C1H8R0DB01#
			8.2pF	±0.25pF	X 100 - AN.
			0. <u>2</u> pi	±0.5pF	GQM1882C1H8R2DB01#
			9.0pF	±0.25pF	
			0.0pi	±0.25pi	GQM1882C1H9R0DB01#
			9.1pF	±0.25pF	31 100
			J. 1 PI	±0.25pF	GQM1882C1H9R1DB01#
			10pF	±0.5pr	GQM1882C1H100GB01#
			ιυμΓ	±5%	GQM1882C1H100JB01#
			1155	+	31 100
			11pF	±2%	GQM1882C1H110GB01#

T max.	Rated Voltage	TC Code	Сар.	Tol.	Part Number
.9mm	50Vdc	СН	12pF	±2%	GQM1882C1H120GB01#
	-7 (	NO.		±5%	GQM1882C1H120JB01#
	1007.	401	13pF	±2%	GQM1882C1H130GB01#
	1007	CO		±5%	GQM1882C1H130JB01#
	1.10	J.CC	15pF	±2%	GQM1882C1H150GB01#
	N.100	-7 C		±5%	GQM1882C1H150JB01#
	-x 10	01.	16pF	±2%	GQM1882C1H160GB01#
	1	OY.		±5%	GQM1882C1H160JB01#
	M.V.		18pF	±2%	GQM1882C1H180GB01#
	TAT W	700		±5%	GQM1882C1H180JB01#
		100	20pF	±2%	GQM1882C1H200GB01#
	NWW	4.0		±5%	GQM1882C1H200JB01#
	- NV	11.77	22pF	±2%	GQM1882C1H220GB01#
	111	W.1	00.7.	±5%	GQM1882C1H220JB01#
	W		24pF	±2%	GQM1882C1H240GB01#
	W	WW	. 007	±5%	GQM1882C1H240JB01#
			27pF	±2%	GQM1882C1H270GB01#
			W.100	±5%	GQM1882C1H270JB01#
		WW	30pF	±2%	GQM1882C1H300GB01#
		W	MAG	±5%	GQM1882C1H300JB01#
			33pF	±2%	GQM1882C1H330GB01#
			oop.	±5%	GQM1882C1H330JB01#
	W	1	36pF	±2%	GQM1882C1H360GB01#
			оорі	±5%	GQM1882C1H360JB01#
	- T		39pF	±2%	GQM1882C1H390GB01#
	TW		оорі	±5%	GQM1882C1H390JB01#
	WIT		43pF	±2%	GQM1882C1H430GB01#
	- TV	V	iopi	±5%	GQM1882C1H430JB01#
	M:r,		47pF	±2%	GQM1882C1H470GB01#
	T.M.	N	47 pi	±5%	GQM1882C1H470JB01#
	OP.	W)	51pF	±2%	GQM1882C1H510GB01#
	$\mathbb{C}O_{Mr}$ .		ЭТРІ	±5%	GQM1882C1H510JB01#
	COM		( ECDE		- CON-1
		TI	56pF	±2%	GQM1882C1H560GB01#
	V.CO		COnF	±5%	GQM1882C1H560JB01#
	T CC	Mr.	62pF	±2%	GQM1882C1H620GB01#
	01.	OM		±5%	GQM1882C1H620JB01#
	00 X.C		68pF	±2%	GQM1882C1H680GB01#
	· VOO	$C_{O_h}$		±5%	GQM1882C1H680JB01#
	700	CO	75pF	±2%	GQM1882C1H750GB01#
	1,100)		MT)	±5%	GQM1882C1H750JB01#
	100	Y.C	82pF	±2%	GQM1882C1H820GB01#
	M. In.	N.C	OM	±5%	GQM1882C1H820JB01#
	W.10	10 1	91pF	±2%	GQM1882C1H910GB01#
	Tax 1	001	Ant	±5%	GQM1882C1H910JB01#
	M. M.	1001	100pF	±2%	GQM1882C1H101GB01#
	L. TV	700		±5%	GQM1882C1H101JB01#

■ 2.0×1.25mm									
T max.	Rated Voltage	TC Code	Cap.	Tol.	Part Number				
0.95mm	100Vdc	COG	1.0pF	±0.1pF	GQM2195C2A1R0BB01#				
				±0.25pF	GQM2195C2A1R0CB01#				
			1.1pF	±0.1pF	GQM2195C2A1R1BB01#				

### GQM Series Temperature Compensating Type Part Number List

(→ **■** 2.0×1.25mm)

T max.	Rated Voltage	TC Code	Сар.	Tol.	Part Number	T max.	Rated Voltage	TC Code	Cap.	Tol.	Part Number
0.95mm	100Vdc	COG	1.1pF	±0.25pF	GQM2195C2A1R1CB01#	0.95mm	100Vdc	COG	9.0pF	±0.5pF	GQM2195C2A9R0DB01#
			1.2pF	±0.1pF	GQM2195C2A1R2BB01#	7. W.1	M 7.	NO.	9.1pF	±0.25pF	GQM2195C2A9R1CB01#
	W		MM	±0.25pF	GQM2195C2A1R2CB01#	-11 11	001.	. 01		±0.5pF	GQM2195C2A9R1DB01#
			1.3pF	±0.1pF	GQM2195C2A1R3BB01#	MMM.	1001	CO	10pF	±2%	GQM2195C2A100GB01#
	. 1		-1	±0.25pF	GQM2195C2A1R3CB01#	VVV	Too	J CC		±5%	GQM2195C2A100JB01#
	TW		1.5pF	±0.1pF	GQM2195C2A1R5BB01#	_ //	N.100	7.	11pF	±2%	GQM2195C2A110GB01#
		N		±0.25pF	GQM2195C2A1R5CB01#	- MM	- x1 10	01.0		±5%	GQM2195C2A110JB01#
	Mr	N	1.6pF	±0.1pF	GQM2195C2A1R6BB01#	WW	M.r	M.	12pF	±2%	GQM2195C2A120GB01#
	OM.		·	±0.25pF	GQM2195C2A1R6CB01#		NW.	00	CON	±5%	GQM2195C2A120JB01#
	NA.	LM	1.8pF	±0.1pF	GQM2195C2A1R8BB01#	_ N	WW.	700.	13pF	±2%	GQM2195C2A130GB01#
	COM	TV		±0.25pF	GQM2195C2A1R8CB01#	4	M.	100	Y.GO	±5%	GQM2195C2A130JB01#
	CON	. 1	2.0pF	±0.1pF	GQM2195C2A2R0BB01#	XV .	NWV	1.2	15pF	±2%	GQM2195C2A150GB01#
	- 00	M.T	L.opi	±0.25pF	GQM2195C2A2R0CB01#	<u>N</u>		M.77	√1.0pi	±5%	GQM2195C2A150JB01#
	Y.Co	-17	2.2pF	±0.1pF	GQM2195C2A2R2BB01#	E.M.	1111	- 1	16pF	±2%	GQM2195C2A160GB01#
	V.C	Divr.	2.2βι	±0.25pF	GQM2195C2A2R2CB01#	W	W	1	1001	±5%	GQM2195C2A160JB01#
	-7 (	OM	2.4pF	±0.25pi	GQM2195C2A2R4BB01#	<u>.</u> .	× 16.1	WW	10nE	±2%	GQM2195C2A180GB01#
	001.		2.4pr	· ·	X 100 - X	4.7	111		18pF		GQM2195C2A180JB01#
	YOU	Cox	0.7-5	±0.25pF	GQM2195C2A2R4CB01#	WILLE		OK	10-5	±5%	- A A A A A A A A A A A A A A A A A A A
	Too	7 CC	2.7pF	±0.1pF	GQM2195C2A2R7BB01#	The AM		CK	1.0pF	±0.1pF	GQM2194C2A1R0BB01#
	V.100		7/1/	±0.25pF	GQM2195C2A2R7CB01#	OM.			N.V	±0.25pF	GQM2194C2A1R0CB01#
	-110	N.C	3.0pF	±0.1pF	GQM2195C2A3R0BB01#	T.MO			1.1pF	±0.1pF	GQM2194C2A1R1BB01#
	W	ov.	COR	±0.25pF	GQM2195C2A3R0CB01#	UT I		1		±0.25pF	GQM2194C2A1R1CB01#
	$MM^{-1}$	<b>3</b> 0	3.3pF	±0.1pF	GQM2195C2A3R3BB01#	$-CO_{MT}$	N	-	1.2pF	±0.1pF	GQM2194C2A1R2BB01#
		100,	-CO1	±0.25pF	GQM2195C2A3R3CB01#	= COM.1	- 1			±0.25pF	GQM2194C2A1R2CB01#
	M	100	3.6pF	±0.1pF	GQM2195C2A3R6BB01#	<u> </u>			1.3pF	±0.1pF	GQM2194C2A1R3BB01#
	NWW		N.C.	±0.25pF	GQM2195C2A3R6CB01#	AY.Co.	WT			±0.25pF	GQM2194C2A1R3CB01#
		N.7a	3.9pF	±0.1pF	GQM2195C2A3R9BB01#	COM	WW		1.5pF	±0.1pF	GQM2194C2A1R5BB01#
	M.	- N 1	001.	±0.25pF	GQM2195C2A3R9CB01#	$\overline{0}_{0}$ . $\overline{0}_{\overline{0}}$	T.T.	1		±0.25pF	GQM2194C2A1R5CB01#
	W	1	4.0pF	±0.1pF	GQM2195C2A4R0BB01#	400Y.	$MT^{V}$	N	1.6pF	±0.1pF	GQM2194C2A1R6BB01#
	T.V	WW	1000	±0.25pF	GQM2195C2A4R0CB01#	- OOY.CU	T	N.	-	±0.25pF	GQM2194C2A1R6CB01#
		TXXIV	4.3pF	±0.1pF	GQM2195C2A4R3BB01#	N. TO	OMr.	rW.	1.8pF	±0.1pF	GQM2194C2A1R8BB01#
	V		100	±0.25pF	GQM2195C2A4R3CB01#	W.100 y.	Mo	1.11		±0.25pF	GQM2194C2A1R8CB01#
		WW	4.7pF	±0.1pF	GQM2195C2A4R7BB01#	_ 100X.		TW	2.0pF	±0.1pF	GQM2194C2A2R0BB01#
		-	M.r.	±0.25pF	GQM2195C2A4R7CB01#	MM.	COR		N	±0.25pF	GQM2194C2A2R0CB01#
			5.0pF	±0.1pF	GQM2195C2A5R0BB01#	ANN.IU	CO	CJ	2.2pF	±0.1pF	GQM2193C2A2R2BB01#
		1	1	±0.25pF	GQM2195C2A5R0CB01#	100	7.00	M.		±0.25pF	GQM2193C2A2R2CB01#
		4	5.1pF	±0.25pF	GQM2195C2A5R1CB01#	NW	DY.C.	-3/	2.4pF	±0.1pF	GQM2193C2A2R4BB01#
				±0.5pF	GQM2195C2A5R1DB01#	WWW.	OOY.C	$O_{M_T}$	W	±0.25pF	GQM2193C2A2R4CB01#
			5.6pF	±0.25pF	GQM2195C2A5R6CB01#			COD	2.7pF	±0.1pF	GQM2193C2A2R7BB01#
			MAN	±0.5pF	GQM2195C2A5R6DB01#	- W	1001	00		±0.25pF	GQM2193C2A2R7CB01#
			6.0pF	±0.25pF	GQM2195C2A6R0CB01#		1,100	i.Co	3.0pF	±0.1pF	GQM2193C2A3R0BB01#
				±0.5pF	GQM2195C2A6R0DB01#			V.C		±0.25pF	GQM2193C2A3R0CB01#
			6.2pF	±0.25pF	GQM2195C2A6R2CB01#		W.100	-7	3.3pF	±0.1pF	GQM2193C2A3R3BB01#
			4	±0.5pF	GQM2195C2A6R2DB01#		JW.10	01.		±0.25pF	GQM2193C2A3R3CB01#
			6.8pF	±0.25pF	GQM2195C2A6R8CB01#		, a	001	3.6pF	±0.1pF	GQM2193C2A3R6BB01#
			·	±0.5pF	GQM2195C2A6R8DB01#	_	WW.	100	$^{1}$ CO $_{J}$	±0.25pF	GQM2193C2A3R6CB01#
			7.0pF	±0.25pF	GQM2195C2A7R0CB01#	_ //		700	3.9pF	±0.1pF	GQM2193C2A3R9BB01#
				±0.5pF	GQM2195C2A7R0DB01#	N (	VWW	10	1. C	±0.25pF	GQM2193C2A3R9CB01#
			7.5pF	±0.25pF	GQM2195C2A7R5CB01#	N.	WW	СН	4.0pF	±0.1pF	GQM2192C2A4R0BB01#
				±0.5pF	GQM2195C2A7R5DB01#		- TAN	4.7	UU. 41	±0.25pF	GQM2192C2A4R0CB01#
			8.0pF	±0.25pF	GQM2195C2A8R0CB01#	TIN	M.A.	-133	4.3pF	±0.25pi	GQM2192C2A4R3BB01#
			υ.υρι	±0.25pi	GQM2195C2A8R0DB01#	TW	W	N 4.	4.0pi	±0.25pF	GQM2192C2A4R3CB01#
			8 2nE		GQM2195C2A8R2CB01#	T.			4.7pF	· ·	GQM2192C2A4R7BB01#
			8.2pF	±0.25pF	31 100	Hr. I.			4./pr	±0.1pF	
			0.05	±0.5pF	GQM2195C2A8R2DB01#	_			E 0~F	±0.25pF	GQM2192C2A4R7CB01#
			9.0pF	±0.25pF	GQM2195C2A9R0CB01#	_			5.0pF	±0.1pF	GQM2192C2A5R0BB01#

T max.

0.95mm

### GQM Series Temperature Compensating Type Part Number List

### (→ **■** 2.0×1.25mm)

T nax.	Rated Voltage	TC Code	Сар.	Tol.	Part Number
95mm	100Vdc	СН	5.0pF	±0.25pF	GQM2192C2A5R0CB01#
			5.1pF	±0.25pF	GQM2192C2A5R1CB01#
71				±0.5pF	GQM2192C2A5R1DB01#
			5.6pF	±0.25pF	GQM2192C2A5R6CB01#
OM	. 1			±0.5pF	GQM2192C2A5R6DB01#
- 07	LIW		6.0pF	±0.25pF	GQM2192C2A6R0CB01#
		V		±0.5pF	GQM2192C2A6R0DB01#
CC	Mr.	W	6.2pF	±0.25pF	GQM2192C2A6R2CB01#
	$O_{M',j}$	- 41		±0.5pF	GQM2192C2A6R2DB01#
		IM	6.8pF	±0.25pF	GQM2192C2A6R8CB01#
V.	CON	W		±0.5pF	GQM2192C2A6R8DB01#
~ <b>~</b> 1		1.0 1.	7.0pF	±0.25pF	GQM2192C2A7R0CB01#
		$N_{I,I}$		±0.5pF	GQM2192C2A7R0DB01#
	Y.C	717	7.5pF	±0.25pF	
	V.C	Divis	TW	±0.5pF	GQM2192C2A7R5DB01#
		OM	8.0pF	±0.25pF	
	001.		О.Орг	±0.5pF	GQM2192C2A8R0DB01#
			8.2pF	±0.25pF	
	70	$_{I}$ . $\mathbb{C}^{\mathbb{C}}$	0.201	· N	GQM2192C2A8R2DB01#
	1.700	-7 (1	0.05	±0.5pF	
	×1 100	N.	9.0pF	±0.25pF	31 100 7
		NY.	0.1.5	±0.5pF	GQM2192C2A9R0DB01#
	1/1/7	J	9.1pF	±0.25pF	31 11 11
M)	TIN .	$r_{00,j}$	-01	±0.5pF	GQM2192C2A9R1DB01#
V		100	10pF	±2%	GQM2192C2A100GB01#
	NWW		N.C.	±5%	GQM2192C2A100JB01#
	-731	N.7a	11pF	±2%	GQM2192C2A110GB01#
		-xxI 1	001.	±5%	GQM2192C2A110JB01#
		1	12pF	±2%	GQM2192C2A120GB01#
		NW	100	±5%	GQM2192C2A120JB01#
		- XIV	13pF	±2%	GQM2192C2A130GB01#
			100	±5%	GQM2192C2A130JB01#
		WW	15pF	±2%	GQM2192C2A150GB01#
		- 11		±5%	GQM2192C2A150JB01#
			16pF	±2%	GQM2192C2A160GB01#
		W		±5%	GQM2192C2A160JB01#
			18pF	±2%	GQM2192C2A180GB01#
				±5%	GQM2192C2A180JB01#
	50Vdc	COG	20pF	±2%	GQM2195C1H200GB01#
			WW	±5%	GQM2195C1H200JB01#
			22pF	±2%	GQM2195C1H220GB01#
				±5%	GQM2195C1H220JB01#
			24pF	±2%	GQM2195C1H240GB01#
			p.	±5%	GQM2195C1H240JB01#
			27pF	±2%	GQM2195C1H270GB01#
			2/01		GQM2195C1H270JB01#
			2055	±5%	
			30pF	±2%	GQM2195C1H300GB01#
			00 -	±5%	GQM2195C1H300JB01#
			33pF	±2%	GQM2195C1H330GB01#
				±5%	GQM2195C1H330JB01#
			36pF	±2%	GQM2195C1H360GB01#
				±5%	GQM2195C1H360JB01#
			39pF	±2%	GQM2195C1H390GB01#
				±5%	GQM2195C1H390JB01#
			43pF	±2%	GQM2195C1H430GB01#

ated tage	TC Code	Cap.	Tol.	Part Number	
Vdc	C0G	43pF	±5%	GQM2195C1H430JB01#	
	COM	47pF	±2%	GQM2195C1H470GB01#	
	001	1.7.	±5%	GQM2195C1H470JB01#	
		51pF	±2%	GQM2195C1H510GB01#	
	V.CY	Mr.	±5%	GQM2195C1H510JB01#	
	-7 C	56pF	±2%	GQM2195C1H560GB01#	
	03.	·Mor	±5%	GQM2195C1H560JB01#	
	ON.	62pF	±2%	GQM2195C1H620GB01#	
	001	$CO_{M}$	±5%	GQM2195C1H620JB01#	
	700	68pF	±2%	GQM2195C1H680GB01#	
	1100	<b>Y</b> . •	±5%	GQM2195C1H680JB01#	
	- 40	75pF	±2%	GQM2195C1H750GB01#	
	M.r.	NV.C	±5%	GQM2195C1H750JB01#	
	JW.	82pF	±2%	GQM2195C1H820GB01#	
		100X.	±5%	GQM2195C1H820JB01#	
	WW	91pF	±2%	GQM2195C1H910GB01#	
	TWY	1.Tag	±5%	GQM2195C1H910JB01#	
		100pF	±2%	GQM2195C1H101GB01#	
	WW	_<1 1 (	±5%	GQM2195C1H101JB01#	
	CH	20pF	±2%	GQM2192C1H200GB01#	
		ZOP!	±5%	GQM2192C1H200JB01#	
	1	22pF	±2%	GQM2192C1H220GB01#	
	1	ZZDI	±5%	GQM2192C1H220JB01#	
		24pF	±2%	GQM2192C1H240GB01#	
		24μι	±5%	GQM2192C1H240JB01#	
		27pF	±2%	GQM2192C1H270GB01#	
		27pr	±5%	GQM2192C1H270JB01#	
	J	2055		CUNT	
		30pF	±2%	GQM2192C1H300GB01# GQM2192C1H300JB01#	
	N -	00-5	±5%		
	N	33pF	±2%	GQM2192C1H330GB01#	1_
	-14.1	00.5	±5%	GQM2192C1H330JB01#	W
	TA	36pF	±2%	GQM2192C1H360GB01#	4,
	IT	00. =	±5%	GQM2192C1H360JB01#	ĹΛ
	- 11	39pF	±2%	GQM2192C1H390GB01#	-
	M.	- 16 E	±5%	GQM2192C1H390JB01#	L
	MO	43pF	±2%	GQM2192C1H430GB01#	V.,
	U	WE	±5%	GQM2192C1H430JB01#	1
	$C_{\mathbf{O}_{\widehat{D}}}$	47pF	±2%	GQM2192C1H470GB01#	) ri
	co	W.r.	±5%	GQM2192C1H470JB01#	01
		51pF	±2%	GQM2192C1H510GB01#	
	Y.C	Jr.	±5%	GQM2192C1H510JB01#	U
	ov (	56pF	±2%	GQM2192C1H560GB01#	1.C
	01.	MOD	±5%	GQM2192C1H560JB01#	
	001	62pF	±2%	GQM2192C1H620GB01#	1.
	. 007	1.COD	±5%	GQM2192C1H620JB01#	
	700	68pF	±2%	GQM2192C1H680GB01#	,
	V 10	1.0	±5%	GQM2192C1H680JB01#	
	- 41	75pF	±2%	GQM2192C1H750GB01#	
	11.7		±5%	GQM2192C1H750JB01#	
	WW.	82pF	±2%	GQM2192C1H820GB01#	
		•	±5%	GQM2192C1H820JB01#	
		91pF	±2%	GQM2192C1H910GB01#	
		- 1	±5%	GQM2192C1H910JB01#	

Part number # indicates the package specification code.

GRM Series

GJM Series

GMA Series

ies | GMD Series

GRJ Series

KRM Series GR3 Series

KR3 Series ∬ ŀ

LLA Series

### GQM Series Temperature Compensating Type Part Number List

(→ **■** 2.0×1.25mm)

T max.	Rated Voltage	TC Code	Сар.	Tol.	Part Number
0.95mm	50Vdc	СН	100pF	±5%	GQM2192C1H101JB01#
1.0mm	250Vdc	COG	1.0pF	±0.1pF	GQM2195C2E1R0BB12#
				±0.25pF	GQM2195C2E1R0CB12#
	TW		1.1pF	±0.1pF	GQM2195C2E1R1BB12#
				±0.25pF	GQM2195C2E1R1CB12#
	TIM		1.2pF	±0.1pF	GQM2195C2E1R2BB12#
	TIL	N		±0.25pF	GQM2195C2E1R2CB12#
	Mr.	W	1.3pF	±0.1pF	GQM2195C2E1R3BB12#
	$o_{M'}$			±0.25pF	GQM2195C2E1R3CB12#
	Mo	In	1.5pF	±0.1pF	GQM2195C2E1R5BB12#
		WT		±0.25pF	GQM2195C2E1R5CB12#
	$CO_N$	1.	1.6pF	±0.1pF	GQM2195C2E1R6BB12#
	- c0	$M \cdot r$		±0.25pF	GQM2195C2E1R6CB12#
	1.0	M	1.8pF	±0.1pF	GQM2195C2E1R8BB12#
	V.C.	Dr.		±0.25pF	GQM2195C2E1R8CB12#
	~ (	OM	2.0pF	±0.1pF	GQM2195C2E2R0BB12#
	00 r.	COL	V.r.	±0.25pF	GQM2195C2E2R0CB12#
	100%		2.2pF	±0.1pF	GQM2195C2E2R2BB12#
	.007	Z.CC	T	±0.25pF	3111
	1.700	<7 C	2.4pF	±0.1pF	GQM2195C2E2R4BB12#
	N.10	1.	Mo	±0.25pF	GQM2195C2E2R4CB12#
	-110	OY.	2.7pF	±0.1pF	GQM2195C2E2R7BB12#
	MN.T.	OON		±0.25pF	GQM2195C2E2R7CB12#
	WW.	100	3.0pF	±0.1pF	GQM2195C2E3R0BB12#
	1	100	3.0pi	±0.25pF	GQM2195C2E3R0CB12#
	MAN	- 10	2 2nE	±0.23pi	GQM2195C2E3R3BB12#
	WW	11.20	3.3pF		AN AN AN AN AN AN AN AN AN AN AN AN AN A
	111	W.1	0.0-5	±0.25pF	
	11/1/	- 1	3.6pF	±0.1pF	GQM2195C2E3R6BB12#
	W	Mari	20 5	±0.25pF	GQM2195C2E3R6CB12#
	- 1	TWV	3.9pF	±0.1pF	GQM2195C2E3R9BB12#
		N '	<del>vi 100</del>	±0.25pF	GQM2195C2E3R9CB12#
	-	MAA	4.0pF	±0.1pF	GQM2195C2E4R0BB12#
		W	111	±0.25pF	
			4.3pF	±0.1pF	GQM2195C2E4R3BB12#
				±0.25pF	COMM
		1	4.7pF	±0.1pF	GQM2195C2E4R7BB12#
				±0.25pF	GQM2195C2E4R7CB12#
			5.0pF	±0.1pF	GQM2195C2E5R0BB12#
			M.	±0.25pF	GQM2195C2E5R0CB12#
			5.1pF	±0.25pF	GQM2195C2E5R1CB12#
			- 45	±0.5pF	GQM2195C2E5R1DB12#
			5.6pF	±0.25pF	GQM2195C2E5R6CB12#
			1	±0.5pF	GQM2195C2E5R6DB12#
			6.0pF	±0.25pF	GQM2195C2E6R0CB12#
				±0.5pF	GQM2195C2E6R0DB12#
			6.2pF	±0.25pF	GQM2195C2E6R2CB12#
				±0.5pF	GQM2195C2E6R2DB12#
			6.8pF	±0.25pF	GQM2195C2E6R8CB12#
				±0.5pF	GQM2195C2E6R8DB12#
			7.0pF	±0.25pF	GQM2195C2E7R0CB12#
				±0.5pF	GQM2195C2E7R0DB12#
			7.5pF	±0.25pF	3111-1
			17	±0.5pF	GQM2195C2E7R5DB12#
			8.0pF	±0.25pF	GQM2195C2E8R0CB12#

T max.	Rated Voltage	TC Code	Сар.	Tol.	Part Number	
.0mm	250Vdc	COG	8.0pF	±0.5pF	GQM2195C2E8R0DB12#	
	JU = 7 (	NO.	8.2pF	±0.25pF	GQM2195C2E8R2CB12#	
	00,7.	- 01		±0.5pF	GQM2195C2E8R2DB12#	
	A OON	CO	9.0pF	±0.25pF	GQM2195C2E9R0CB12#	
	The	J CC		±0.5pF	GQM2195C2E9R0DB12#	
	N.100		9.1pF	±0.25pF	GQM2195C2E9R1CB12#	
		D.Y.C		±0.5pF	GQM2195C2E9R1DB12#	
	M.r.	N.	10pF	±2%	GQM2195C2E100GB12#	
	NW.1	00 -	$co_{J}$	±5%	GQM2195C2E100JB12#	
	TXN.	700,	11pF	±2%	GQM2195C2E110GB12#	
		- 100	Y. C.	±5%	GQM2195C2E110JB12#	
		1.2	12pF	±2%	GQM2195C2E120GB12#	
		N.77	√1. ≤1.	±5%	GQM2195C2E120JB12#	
	MAG	- 1	13pF	±2%	GQM2195C2E130GB12#	
	W	111.	тэрг	±5%	GQM2195C2E130GB12#	$\vdash$
	- 1	WW	15-5	CON	301	$\vdash$
	M		15pF	±2%	GQM2195C2E150GB12#	H
		MM)	-1-10	±5%	GQM2195C2E150JB12#	L
		NV	16pF	±2%	GQM2195C2E160GB12#	L
		1	W.1	±5%	GQM2195C2E160JB12#	L
		W	18pF	±2%	GQM2195C2E180GB12#	
		V	MAA.	±5%	GQM2195C2E180JB12#	L
	N.		20pF	±2%	GQM2195C2E200GB12#	
	1		VV '	±5%	GQM2195C2E200JB12#	
1			22pF	±2%	GQM2195C2E220GB12#	
			N.	±5%	GQM2195C2E220JB12#	
			24pF	±2%	GQM2195C2E240GB12#	
1				±5%	GQM2195C2E240JB12#	
		V	27pF	±2%	GQM2195C2E270GB12#	
1		N		±5%	GQM2195C2E270JB12#	
			30pF	±2%	GQM2195C2E300GB12#	ĸ1
		LIN	•	±5%	GQM2195C2E300JB12#	P
ľ		TW	33pF	±2%	GQM2195C2E330GB12#	
		. 1	N	±5%	GQM2195C2E330JB12#	
	-	1.7	36pF	±2%	GQM2195C2E360GB12#	,
		717	W	±5%	GQM2195C2E360JB12#	۲.
		Mr.	39pF	±2%	GQM2195C2E390GB12#	
		OM	Cobi	±5%	GQM2195C2E390JB12#	M
	001.		12nE	±3%	GQM2195C2E430GB12#	
	MY.	$C_{\mathbf{O}_{r}}$	43pF	-	GQM2195C2E430JB12#	<i>J</i>
	In	CO	47×F	±5%	GQM2195C2E470GB12#	)(
	1.700.		47pF	±2%		
	100	1.0	<u></u>	±5%	GQM2195C2E470JB12#	-
	N. P	N.V	51pF	±2%	GQM2195C2E510GB12#	J.
	W.11	×1	$c^{QM}$	±5%	GQM2195C2E510JB12#	
	-TXN 1	001	56pF	±2%	GQM2195C2E560GB12#	U
	M. A.	100	I.Co.	±5%	GQM2195C2E560JB12#	90
	WW	.100	62pF	±2%	GQM2195C2E620GB12#	L
	TAX N	V.10	1 2 4	±5%	GQM2195C2E620JB12#	L
	MAN	×1 1	68pF	±2%	GQM2195C2E680GB12#	L
	WW	11	ant.	±5%	GQM2195C2E680JB12#	L
		NW.	75pF	±2%	GQM2195C2E750GB12#	
	W.			±5%	GQM2195C2E750JB12#	
			82pF	±2%	GQM2195C2E820GB12#	
				±5%	GQM2195C2E820JB12#	
			91pF	±2%	GQM2195C2E910GB12#	$\vdash$

# GJM Series

**GMA** Series

GMD Series

**GRJ** Series

GR3 Series KRM Series

KR3 Series **LLA Series** 

### GQM Series Temperature Compensating Type Part Number List

### (→ **■** 2.0×1.25mm)

T max.	Rated Voltage	TC Code	Cap.	Tol.	Part Number	W
1.0mm	250Vdc	COG	91pF	±5%	GQM2195C2E910JB12#	
			100pF	±2%	GQM2195C2E101GB12#	
				±5%	GQM2195C2E101JB12#	

T max.	Rated Voltage	TC Code	Cap.	Tol.	Part N
1.35mm	500Vdc	COG	6.8pF	±0.25pF	GQM22M5C
	JV 2-7 (	CON		±0.5pF	GQM22M5C
	00,1.		7.0pF	±0.25pF	GQM22M5C
	-7				

### ■ 2.8×2.8mm

T max.	Rated Voltage	TC Code	Сар.	Tol.	Part Number	
.35mm	500Vdc	COG	1.0pF	±0.1pF	GQM22M5C2H1R0BB01#	
	Mo	IM		±0.25pF	GQM22M5C2H1R0CB01#	
	_ 1	TV	1.1pF	±0.1pF	GQM22M5C2H1R1BB01#	V
	$CO_{D}$	1.		±0.25pF	GQM22M5C2H1R1CB01#	ľ
	- c0	W.r.	1.2pF	±0.1pF	GQM22M5C2H1R2BB01#	
	<b>Y</b> . •	M		±0.25pF	GQM22M5C2H1R2CB01#	
	OY.C	J	1.3pF	±0.1pF	GQM22M5C2H1R3BB01#	1
	~ C	$O_{D_{1}}$		±0.25pF	GQM22M5C2H1R3CB01#	
	00 1	CO2	1.5pF	±0.1pF	GQM22M5C2H1R5BB01#	1
	1007			±0.25pF	GQM22M5C2H1R5CB01#	
	00	I.CU	1.6pF	±0.1pF	GQM22M5C2H1R6BB01#	Ī
	1.100	V.C	Dir.	±0.25pF	GQM22M5C2H1R6CB01#	
	$\sqrt{100}$	) × •	1.8pF	±0.1pF	GQM22M5C2H1R8BB01#	
	-x11(	101.		±0.25pF	GQM22M5C2H1R8CB01#	-
	1111.	COOL	2.0pF	±0.1pF	GQM22M5C2H2R0BB01#	7
	WW.	Too.	J CO	±0.25pF		0
		700	2.2pF	±0.1pF	GQM22M5C2H2R2BB01#	
	M	×1 10	17.6	±0.25pF	N N N	Ţ
	WW	N.	2.4pF	±0.1pF	GQM22M5C2H2R4BB01#	4
		W.)	( <del>                                     </del>	±0.25pF	GQM22M5C2H2R4CB01#	_
	1111	-TXN	2.7pF	±0.1pF	GQM22M5C2H2R7BB01#	V
		M	100	±0.25pF	GQM22M5C2H2R7CB01#	_
		W	3.0pF	±0.1pF	GQM22M5C2H3R0BB01#	_
		-111	0.opi	±0.25pF	GQM22M5C2H3R0CB01#	1
		M.	3.3pF	±0.25pi	GQM22M5C2H3R3BB01#	_
		W	o.opi	±0.25pF	GQM22M5C2H3R3CB01#	_
		<b>**</b>	3.6pF	±0.25pi	GQM22M5C2H3R6BB01#	Ń
			3.0pi	±0.25pF	GQM22M5C2H3R6CB01#	_
			2 0pE	1 1000		_
			3.9pF	±0.1pF ±0.25pF	GQM22M5C2H3R9BB01# GQM22M5C2H3R9CB01#	
		-	4.0-F		V COP AND	
			4.0pF	±0.1pF	GQM22M5C2H4R0BB01#	
			40.5	±0.25pF	GQM22M5C2H4R0CB01#	
			4.3pF	±0.1pF	GQM22M5C2H4R3BB01#	
			4==	±0.25pF		
			4.7pF	±0.1pF	GQM22M5C2H4R7BB01#	
				±0.25pF	GQM22M5C2H4R7CB01#	
			5.0pF	±0.1pF	GQM22M5C2H5R0BB01#	V
				±0.25pF	GQM22M5C2H5R0CB01#	\ \ \
			5.1pF	±0.25pF	311111	
				±0.5pF	GQM22M5C2H5R1DB01#	1
			5.6pF	±0.25pF	GQM22M5C2H5R6CB01#	_
				±0.5pF	GQM22M5C2H5R6DB01#	
			6.0pF	±0.25pF	GQM22M5C2H6R0CB01#	
				±0.5pF	GQM22M5C2H6R0DB01#	
			6.2pF	±0.25pF	GQM22M5C2H6R2CB01#	)
				±0.5pF	GQM22M5C2H6R2DB01#	

TC ode	Cap.	Tol.	Part Number	
0G	6.8pF	±0.25pF	GQM22M5C2H6R8CB01#	
Mo		±0.5pF	GQM22M5C2H6R8DB01#	
. 01	7.0pF	±0.25pF	GQM22M5C2H7R0CB01#	
		±0.5pF	GQM22M5C2H7R0DB01#	
CC	7.5pF	±0.25pF	GQM22M5C2H7R5CB01#	
J (	$O_{M^{*}}$	±0.5pF	GQM22M5C2H7R5DB01#	
1.	8.0pF	±0.25pF	GQM22M5C2H8R0CB01#	
N.	-1	±0.5pF	GQM22M5C2H8R0DB01#	
001	8.2pF	±0.25pF	GQM22M5C2H8R2CB01#	
UO A	$_{\rm J}$ $\rm CO^{\rm l}$	±0.5pF	GQM22M5C2H8R2DB01#	
700	9.0pF	±0.25pF	GQM22M5C2H9R0CB01#	
ı 10	O.Y.C.	±0.5pF	GQM22M5C2H9R0DB01#	
. 1	9.1pF	±0.25pF	GQM22M5C2H9R1CB01#	
W-	0	±0.5pF	GQM22M5C2H9R1DB01#	
W	10pF	±2%	GQM22M5C2H100GB01#	
	4.100	±5%	GQM22M5C2H100JB01#	
W.	11pF	±2%	GQM22M5C2H110GB01#	
W	11.5	±5%	GQM22M5C2H110JB01#	
	12pF	±2%	GQM22M5C2H120GB01#	
W	11.1	±5%	GQM22M5C2H120JB01#	
V	13pF	±2%	GQM22M5C2H130GB01#	
4	15-5	±5%	GQM22M5C2H130JB01#	
	15pF	±2%	GQM22M5C2H150GB01#	
}	16pE	±5%	GQM22M5C2H150JB01# GQM22M5C2H160GB01#	
	16pF	±2% ±5%	GQM22M5C2H160GB01#	
	18pF	±2%	GQM22M5C2H180GB01#	
	торг	±5%	GQM22M5C2H180JB01#	
1	20pF	±2%	GQM22M5C2H200GB01#	
N	Lopi	±5%	GQM22M5C2H200JB01#	- 1
W	22pF	±2%	GQM22M5C2H220GB01#	N-
ſŴ		±5%	GQM22M5C2H220JB01#	W
	24pF	±2%	GQM22M5C2H240GB01#	
		±5%	GQM22M5C2H240JB01#	
1.7	27pF	±2%	GQM22M5C2H270GB01#	1.1
- 1		±5%	GQM22M5C2H270JB01#	1.
) jyr	30pF	±2%	GQM22M5C2H300GB01#	277
OD		±5%	GQM22M5C2H300JB01#	$\mathfrak{I}_{M_1}$
<u> </u>	33pF	±2%	GQM22M5C2H330GB01#	10
	TIME	±5%	GQM22M5C2H330JB01#	
C.C	36pF	±2%	GQM22M5C2H360GB01#	Cr
<1 C	OM.	±5%	GQM22M5C2H360JB01#	J C
7.	39pF	±2%	GQM22M5C2H390GB01#	-
07	1	±5%	GQM22M5C2H390JB01#	27.
001	43pF	±2%	GQM22M5C2H430GB01#	no Ý
100	4.CO	±5%	GQM22M5C2H430JB01#	
70	47pF	±2%	GQM22M5C2H470GB01#	
v 1	10 X .	±5%	GQM22M5C2H470JB01#	
7.	51pF	±2%	GQM22M5C2H510GB01#	
W.	1.0	±5%	GQM22M5C2H510JB01#	
	56pF	±2%	GQM22M5C2H560GB01#	
		±5%	GQM22M5C2H560JB01#	
	62pF	±2%	GQM22M5C2H620GB01#	
		±5%	GQM22M5C2H620JB01#	
	Part nui	mber # indic	cates the package specification	code

### **Part Number List** GQM Series Temperature Compensating Type Homa

### (→ **■** 2.8×2.8mm)

T max.	Rated Voltage	TC Code	Сар.	Tol.	Part Number	
.35mm	500Vdc	COG	68pF	±2%	GQM22M5C2H680GB01#	MMM.Jno V.CO
			M.	±5%	GQM22M5C2H680JB01#	41. 100 r.
- 11	W		75pF	±2%	GQM22M5C2H750GB01#	
) jvr.			WW	±5%	GQM22M5C2H750JB01#	- MAN N. JUNY. C
OM	7.		82pF	±2%	GQM22M5C2H820GB01#	
	LIN			±5%	GQM22M5C2H820JB01#	- W. 100 P.
Cox		N	91pF	±2%	GQM22M5C2H910GB01#	- WW 100
$^{\prime}$ CC	Mr.	W		±5%	GQM22M5C2H910JB01#	
-7 C	$O_{M^{*}}$		100pF	±2%	GQM22M5C2H101GB01#	- WWW.Io
7.		IM	•	±5%	GQM22M5C2H101JB01#	

Resin External Electrode Type

### **GRJ Series**



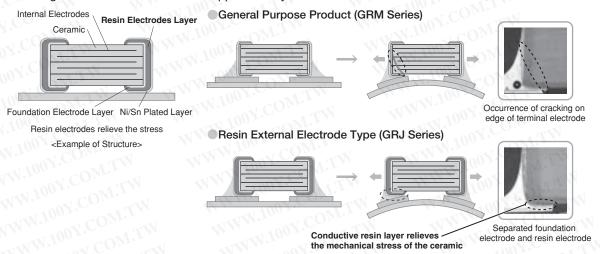


The resin external electrodes prevent the occurrence of cracking caused by deflection stress after board mounting!

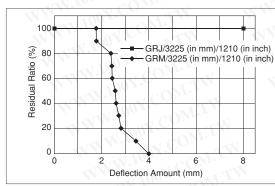
### **Features**

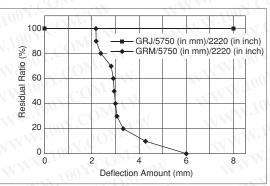
1 The resin external electrodes suppress cracks by board deflection.

Cracking of the ceramic element is suppressed by the resin of the external electrodes, which releases the stress.



Suppresses the occurrence of cracking caused by deflection stress at the time of board mounting, etc.



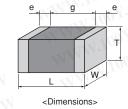


Due to the specification of the measuring instrument, measurements can be performed up to 8mm.

3 Ideal for consumer and industrial electronic equipment, etc. where there heat stress, vibration and impact are applied.

### Specifications

Size	2.0×1.25mm to 5.7×5.0mm
Rated Voltage	DC6.3V to 1kV
Capacitance	470pF to 47μF
Main Applications	Consumer & Industrial Electronic Equipment



This catalog contains only a portion of the product lineup.

Please refer to the capacitor search tool on the Murata Web site for details.

### GRJ Series High Dielectric Constant Type Part Number List

### ■ 2.0×1.25mm

<b>2.0</b>	×1.25n	nm				
T max.	Rated Voltage	TC Code	Cap.	Tol.	Part Number	
1.0mm	250Vdc	X7R	1000pF	±10%	GRJ21AR72E102KWJ1#	
	TIN		1500pF	±10%	GRJ21AR72E152KWJ1#	T
	. 1		2200pF	±10%	GRJ21AR72E222KWJ1#	
	LIV		3300pF	±10%	GRJ21AR72E332KWJ1#	
		N	4700pF	±10%	GRJ21AR72E472KWJ1#	
	Mr.	W	6800pF	±10%	GRJ21AR72E682KWJ1#	1
1.45mm	250Vdc	X7R	10000pF	±10%	GRJ21BR72E103KWJ3#	
	Mo	IM	15000pF	±10%	GRJ21BR72E153KWJ3#	L 4 4
		VT	22000pF	±10%	GRJ21BR72E223KWJ3#	IN

### ■ 3.2×1.6mm

T max.	Rated Voltage	TC Code	Сар.	Tol.	Part Number	
1.25mm	1000Vdc	X7R	470pF	±10%	GRJ31BR73A471KWJ1#	
	700x		680pF	±10%	GRJ31BR73A681KWJ1#	C
	100		1000pF	±10%	GRJ31BR73A102KWJ1#	
	N.T.	V.C	1500pF	±10%	GRJ31BR73A152KWJ1#	
	M.To	- <b>-</b> 7 (	2200pF	±10%	GRJ31BR73A222KWJ1#	
	W.10	0.7.	3300pF	±10%	GRJ31BR73A332KWJ1#	
	1	007	4700pF	±10%	GRJ31BR73A472KWJ1#	
	630Vdc	X7R	1000pF	±10%	GRJ31BR72J102KWJ1#	
	WWW		1500pF	±10%	GRJ31BR72J152KWJ1#	
	N Y	N.10	2200pF	±10%	GRJ31BR72J222KWJ1#	1
	MM	- x1 1	3300pF	±10%	GRJ31BR72J332KWJ1#	1
	WW	111.	4700pF	±10%	GRJ31BR72J472KWJ1#	Ī
		NW	6800pF	±10%	GRJ31BR72J682KWJ1#	
			10000pF	±10%	GRJ31BR72J103KWJ1#	1
	250Vdc	X7R	15000pF	±10%	GRJ31BR72E153KWJ1#	
	-	NV	22000pF	±10%	GRJ31BR72E223KWJ1#	
			68000pF	±10%	GRJ31BR72E683KWJ1#	N
1.8mm	1000Vdc	X7R	6800pF	±10%	GRJ31CR73A682KWJ3#	
		V	10000pF	±10%	GRJ31CR73A103KWJ3#	V
	630Vdc	X7R	15000pF	±10%	GRJ31CR72J153KWJ3#	1
			22000pF	±10%	GRJ31CR72J223KWJ3#	
	250Vdc	X7R	33000pF	±10%	GRJ31CR72E333KWJ3#	
			47000pF	±10%	GRJ31CR72E473KWJ3#	
			0.10µF	±10%	GRJ31CR72E104KWJ3#	

### ■ 3.2×2.5mm

T max.	Rated Voltage	TC Code	Cap.	Tol.	Part Number	
1.5mm	1000Vdc	X7R	6800pF	±10%	GRJ32QR73A682KWJ1#	-1
			10000pF	±10%	GRJ32QR73A103KWJ1#	N
	630Vdc	X7R	22000pF	±10%	GRJ32QR72J223KWJ1#	V
	250Vdc	X7R	68000pF	±10%	GRJ32QR72E683KWJ1#	_
			0.15µF	±10%	GRJ32QR72E154KWJ1#	7
2.0mm	1000Vdc	X7R	15000pF	±10%	GRJ32DR73A153KWJ1#	<u>.</u>
			22000pF	±10%	GRJ32DR73A223KWJ1#	_
	630Vdc	X7R	33000pF	±10%	GRJ32DR72J333KWJ1#	M
			47000pF	±10%	GRJ32DR72J473KWJ1#	_

T max.	Rated Voltage	TC Code	Cap.	Tol.	Part Number
2.0mm	250Vdc	X7R	0.10µF	±10%	GRJ32DR72E104KWJ1#
	00 2	ON	0.22µF	±10%	GRJ32DR72E224KWJ1#
2.3mm	100Vdc	X7R	2.2µF	±10%	GRJ32DR72A225KE11#
	1007	Co	TT	±20%	GRJ32DR72A225ME11#
2.8mm	50Vdc	X7R	4.7µF	±10%	GRJ32ER71H475KE11#
	N.100 2	-7 (	$O_{M^{*,r}}$	±20%	GRJ32ER71H475ME11#
	XX 10	X7S	7S 10µF	±10%	GRJ32EC71H106KE11#
	1	NOV.	- 11	±20%	GRJ32EC71H106ME11#
	25Vdc	X7R	10µF	±10%	GRJ32ER71E106KE11#
	WW	100	-7 CO	±20%	GRJ32ER71E106ME11#
	16Vdc	X7R	22µF	±10%	GRJ32ER71C226KE11#
	WW.	110	OY.C	±20%	GRJ32ER71C226ME11#
	10Vdc	X7R	22µF	±10%	GRJ32ER71A226KE11#
	1	W.	100	±20%	GRJ32ER71A226ME11#
	6.3Vdc	X7R	47µF	±10%	GRJ32ER70J476KE11#
	W	MAG	1003	±20%	GRJ32ER70J476ME11#

T max.	Rated Voltage	TC Code	Сар.	Tol.	Part Number
1.5mm	630Vdc	X7R	68000pF	±10%	GRJ43QR72J683KWJ1#
	250Vdc	X7R	0.15µF	±10%	GRJ43QR72E154KWJ1#
2.0mm	1000Vdc	X7R	33000pF	±10%	GRJ43DR73A333KWJ1#
			47000pF	±10%	GRJ43DR73A473KWJ1#
	630Vdc	X7R	0.10µF	±10%	GRJ43DR72J104KWJ1#
	250Vdc	X7R	0.22µF	±10%	GRJ43DR72E224KWJ1#
	VTT	N.	0.33µF	±10%	GRJ43DR72E334KWJ1#
	Mr.	c T	0.47µF	±10%	GRJ43DR72E474KWJ1#

### ■ 5.7×5.0mm

max.	Voltage	Code	Cap.	Tol.	Part Number
.0mm	1000Vdc	X7R	68000pF	±10%	GRJ55DR73A683KWJ1#
	M.C.	- n N	0.10µF	±10%	GRJ55DR73A104KWJ1#
W.1	630Vdc	X7R	0.15µF	±10%	GRJ55DR72J154KWJ1#
	00 -	00	0.22µF	±10%	GRJ55DR72J224KWJ1#
	250Vdc	X7R	0.33µF	±10%	GRJ55DR72E334KWJ1#
	1005		0.47µF	±10%	GRJ55DR72E474KWJ1#
	1.10	V.C	0.68µF	±10%	GRJ55DR72E684KWJ1#
	W.100	- (	1.0µF	±10%	GRJ55DR72E105KWJ1#

High Effective Capacitance & High Allowable Ripple Current

### **GR3 Series**



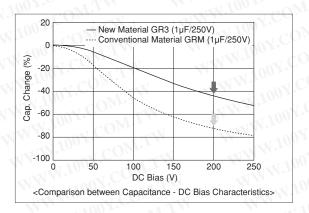


This is a general purpose high ripple resistance product excellent in DC bias characteristics.

### **Features**

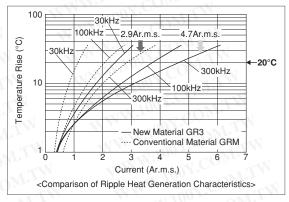
When a DC bias is applied, a capacitance higher than conventional products (X7R characteristics) can be acquired.

About twice the capacitance can be secured when DC200V is applied.



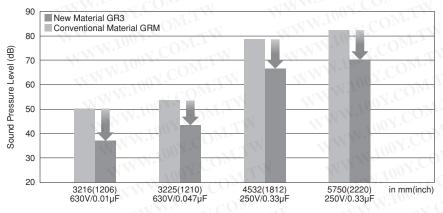
### Improved ripple resistance performance compared to conventional products (X7R characteristics).

In the case of a product with a capacitance of 1µF, when the exothermic temperature reaches 20°C at frequency f=300kHz, the amount of resistance of a product with conventional material is 2.9Ar.m.s.; however, the new material is 4.7Ar.m.s..



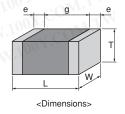
### 3 This product has a noise reduction effect.

Since dielectric materials which enable a reduction of noise are used, this product is more effective for reducing noise compared to the general purpose GRM series.



### Specifications

Size	2.0×1.25mm to 5.7×5.0mm
Rated Voltage	DC250V to 630V
Capacitance	0.01μF to 1.0μF
Main Applications	For PFC (Power Factor Correction) Circuits of Power Supplies, EMI Suppression and Smoothing Circuits



Please refer to the capacitor search tool on the Murata Web site for details.

This catalog contains only a portion of the product lineup.

### Caution/ Notice

### GR3 Series High Dielectric Constant Type **Part Number List**

### ■ 2.0×1.25mm

				1007		
T max.	Rated Voltage	TC Code	Сар.	Tol.	Part Number	4
1.0mm	250Vdc	X7T	10000pF	±10%	GR321AD72E103KW01#	
	TW		15000pF	±10%	GR321AD72E153KW01#	
1.45mm	250Vdc	X7T	22000pF	±10%	GR321BD72E223KW03#	

T max.	Rated Voltage	TC Code	Cap.	Tol.	Part Number
2.7mm	630Vdc	X7T	0.27µF	±10%	GR355XD72J274KW05#
	450Vdc	X7T	0.56µF	±10%	GR355XD72W564KW05#
	250Vdc	X7T	1.0µF	±10%	GR355XD72E105KW05#

### ■ 3.2×1.6mm

T max.	Rated Voltage	TC Code	Сар.	Tol.	Part Number
1.0mm	450Vdc	X7T	10000pF	±10%	GR331AD72W103KW01#
	$CO_{\tilde{M}}$		15000pF	±10%	GR331AD72W153KW01#
	250Vdc	X7T	33000pF	±10%	GR331AD72E333KW01#
.25mm	630Vdc	X7T	10000pF	±10%	GR331BD72J103KW01#
× 40	450Vdc	X7T	22000pF	±10%	GR331BD72W223KW01#
	anv.C	$O_{N_1}$	33000pF	±10%	GR331BD72W333KW01#
	250Vdc	X7T	47000pF	±10%	GR331BD72E473KW01#
1.8mm	630Vdc	X7T	15000pF	±10%	GR331CD72J153KW03#
	450Vdc	X7T	47000pF	±10%	GR331CD72W473KW03#
	250Vdc	X7T	68000pF	±10%	GR331CD72E683KW03#

### ■ 3.2×2.5mm

T max.	Rated Voltage	TC Code	Cap.	Tol.	Part Number
1.5mm	630Vdc	X7T	22000pF	±10%	GR332QD72J223KW01#
	250Vdc	X7T	0.10µF	±10%	GR332QD72E104KW01#
2.0mm	630Vdc	X7T	33000pF	±10%	GR332DD72J333KW01#
		NW	47000pF	±10%	GR332DD72J473KW01#
	450Vdc	X7T	68000pF	±10%	GR332DD72W683KW01#
	V		0.10µF	±10%	GR332DD72W104KW01#
	250Vdc	X7T	0.15µF	±10%	GR332DD72E154KW01#

### ■ 4.5×3.2mm

T max.	Rated Voltage	TC Code	Cap.	Tol.	Part Number
1.5mm	250Vdc	X7T	0.22µF	±10%	GR343QD72E224KW01#
2.0mm	630Vdc	X7T	68000pF	±10%	GR343DD72J683KW01#
	450Vdc	X7T	0.15µF	±10%	GR343DD72W154KW01#
	250Vdc	X7T	0.33µF	±10%	GR343DD72E334KW01#

### ■ 5.7×5.0mm

5.7	×5.0mı	m				
T max.	Rated Voltage	TC Code	Сар.	Tol.	Part Number	W
2.0mm	630Vdc	X7T	0.10µF	±10%	GR355DD72J104KW01#	LA
			0.15µF	±10%	GR355DD72J154KW01#	T
	450Vdc	X7T	0.22µF	±10%	GR355DD72W224KW01#	
			0.33µF	±10%	GR355DD72W334KW01#	V.
			0.47µF	±10%	GR355DD72W474KW01#	M
	250Vdc	X7T	0.47µF	±10%	GR355DD72E474KW01#	,,,,
			0.68µF	±10%	GR355DD72E684KW01#	Ob
2.7mm	630Vdc	X7T	0.22µF	±10%	GR355XD72J224KW05#	

Metal Terminal Type For General Purpose

#### **KRM Series**





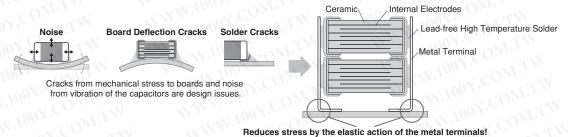


## Bonding the metal terminals to external electrodes solves design issues by mounting large size MLCC!

#### **Features**

1 Bond metal terminals to the external electrodes of chips.

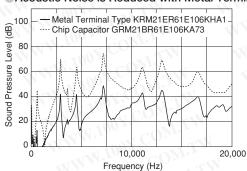
The stress applied to the chip is relieved by the elastic action of the metal terminal.

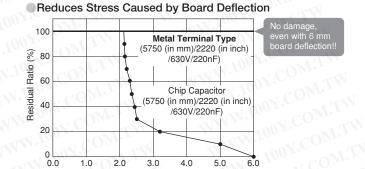


2 Substantially reduces noise, board deflection cracks and soldering cracks.

This product is not damaged even with a board deflection of 6 mm. Solder cracks do not occur even with 2,000 cycles of heat stress.

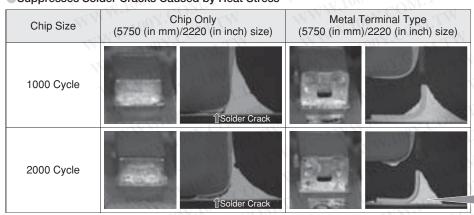
#### Acoustic Noise is Reduced with Metal Terminals





Amount of Board Deflection (mm)

#### Suppresses Solder Cracks Caused by Heat Stress



Test Condition: -55 to +125°C, 5min.,(Tank)
Board Used: Glass Epoxy Board (FR-4)

Demonstrates replacement value of low noise capacitors Experience the effectiveness of the KRM Series.

• Examples of Noise Countermeasures

(3)

**GRJ Series** 

**LLL Series** 

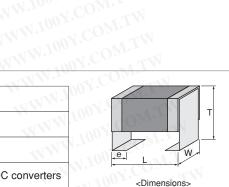
**LLR Series** 

#### 2 chips can be stacked.

Realize large capacity by stacking 2 capacitors.

#### Specifications

Size	2.2×1.25mm to 6.1×5.3mm	
Rated Voltage	DC16V to 1kV	ONE
Capacitance	0.068µF to 68µF	e l
Main Applications	For smoothing and noise suppression of DC-DC converters	<dimensions< td=""></dimensions<>



Please refer to the capacitor search tool on the Murata Web site for details. WWW.100Y.COM.TW KRM Series High Dielectric Constant Type Antinoise Poffeeting Conductive Constant Type Antinoise Poffeeting Conductive Constant Type Antinoise Poffeeting Conductive Constant Type Conductive Co

#### ■ 3.5×1.7mm

<b>■</b> 3.5:	×1.7mı	m				
T max.	Rated Voltage	TC Code	Cap.	Tol.	Part Number	
2.0mm	25Vdc	X5R	10µF	±10%	KRM31FR61E106KH01#	
2.9mm	100Vdc	X7R	1.0µF	±10%	KRM31KR72A105KH01#	
	50Vdc	X7R	4.7µF	±10%	KRM31KR71H475KH01#	
	35Vdc	X6S	10µF	±10%	KRM31KC8YA106KH01#	
	25Vdc	X6S	10µF	±10%	KRM31KC81E106KH01#	

T max.	Rated Voltage	TC Code	Cap.	Tol.	Part Number
5.0mm	25Vdc	X7R	33µF	±20%	KRM55TR71E336MH01#
6.7mm	100Vdc	X7R	15µF	±20%	KRM55WR72A156MH01#
	63Vdc	X7R	22µF	±20%	KRM55WR71J226MH01#
	50Vdc	X7R	33µF	±20%	KRM55WR71H336MH01#
	35Vdc	X7R	47µF	±20%	KRM55WR7YA476MH01#
	25Vdc	X7R	47µF	±20%	KRM55WR71E476MH01#
	- 10		68µF	±20%	KRM55WR71E686MH01#

#### ■ 3.6×1.7mm

T max.	Rated Voltage	TC Code	Cap.	Tol.	Part Number
2.9mm	50Vdc	X7R	2.2µF	±10%	KRM31KR71H225KH01#

#### ■ 3.7×1.85mm

■ 3.7:	×1.85n	nm			
T max.	Rated Voltage	TC Code	Cap.	Tol.	Part Number
2.9mm	100Vdc	X7R	2.2µF	±10%	KRM31KR72A225KH01#

#### 61v5 3mm

T max.	Rated Voltage	TC Code	Cap.	Tol.	Part Number	
3.0mm	1000Vdc	X7R	68000pF	±10%	KRM55LR73A683KH01#	0
	N V	N.10	0.10µF	±10%	KRM55LR73A104KH01#	Ino
	630Vdc	X7R	0.15µF	±10%	KRM55LR72J154KH01#	10
	WW		0.22µF	±10%	KRM55LR72J224KH01#	-4
	250Vdc	X7R	0.68µF	±10%	KRM55LR72E684KH01#	11.7
		dc X7R	1.0µF	±10%	KRM55LR72E105KH01#	M.
	100Vdc		4.7μF	±10%	KRM55LR72A475KH01#	
	63Vdc	X7R	4.7µF	±10%	KRM55LR71J475KH01#	di a
	50Vdc	35Vdc X7R	4.7µF	±10%	KRM55LR71H475KH01#	
			10µF	±10%	KRM55LR71H106KH01#	
	35Vdc		10µF	±10%	KRM55LR7YA106KH01#	W.
			15µF	±10%	KRM55LR7YA156KH01#	V
	25Vdc	X7R	15µF	±10%	KRM55LR71E156KH01#	
3.9mm	100Vdc	dc X7R	6.8µF	±10%	KRM55QR72A685KH01#	
	63Vdc	X7R	10µF	±10%	KRM55QR71J106KH01#	
	50Vdc	X7R	17µF	±10%	KRM55QR71H176KH01#	
	35Vdc	X7R	17µF	±10%	KRM55QR7YA176KH01#	
			22µF	±10%	KRM55QR7YA226KH01#	
	25Vdc	X7R	22µF	±10%	KRM55QR71E226KH01#	
			33µF	±10%	KRM55QR71E336KH01#	
5.0mm	1000Vdc	X7R	0.15μF	±20%	KRM55TR73A154MH01#	N
			0.22µF	±20%	KRM55TR73A224MH01#	1
	630Vdc	X7R	0.33µF	±20%	KRM55TR72J334MH01#	LAA
			0.47µF	±20%	KRM55TR72J474MH01#	T
	250Vdc	X7R	1.5µF	±20%	KRM55TR72E155MH01#	
			2.2µF	±20%	KRM55TR72E225MH01#	1.
	100Vdc	X7R	10µF	±20%	KRM55TR72A106MH01#	M
	50Vdc	X7R	22µF	±20%	KRM55TR71H226MH01#	7
	35Vdc	X7R	22µF	±20%	KRM55TR7YA226MH01#	$O_{\underline{M}}$
			33µF	±20%	KRM55TR7YA336MH01#	_



Caution/

Metal Terminal Type High Effective Capacitance & High Allowable Ripple Current

#### **KR3 Series**







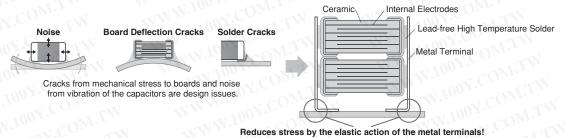
#### Soldering crack

## Bonding the metal terminals to external electrodes solves design issues by mounting large size MLCC!

#### **Features**

1) Bond metal terminals to the external electrodes of chips.

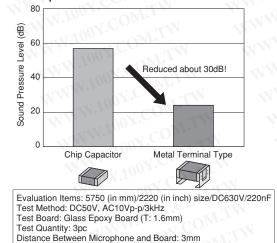
The stress applied to the chip is relieved by the elastic action of the metal terminal.



2 Substantially reduces noise, board deflection cracks and soldering cracks.

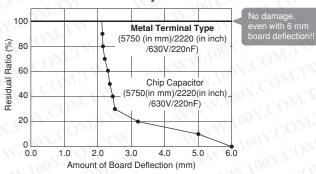
This product is not damaged even with a board deflection of 6 mm. Solder cracks do not occur even with 2,000 cycles of heat stress.

#### Comparison of Noise Reduction Effects



Note: Results Using Murata's Evaluation Board

#### Reduces Stress Caused by Board Deflection



#### Suppresses Solder Cracks Caused by Heat Stress

0.0000000000000000000000000000000000000	radi diadio dadoda by ridar direce	
Chip Size	Chip Only (5750 (in mm)/2220 (in inch) size)	Metal Terminal Type (5750 (in mm)/2220 (in inch) size)
1000 Cycle	∯Solder Crack	
2000 Cycle	∯Solder Crack	

WWW.100X

Test Condition: -55 to +125°C, 5min.,(Tank) Board Used: Glass Epoxy Board (FR-4)

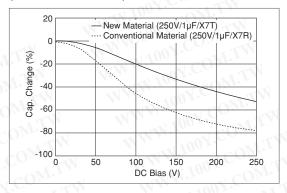
muRata

♠Caution/ Notice

ILM

#### **Adopted Low Dielectric Constant Materials**

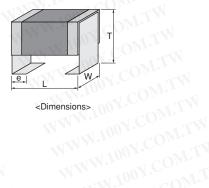
Improved effective capacity and ripple resistant performance, compared to conventional products (X7R characteristics).



#### Specifications

(3)

Size	6.1×5.3mm
Rated Voltage	DC250V to 630V
Capacitance	0.1μF to 2.2μF
Main Applications	For DC-DC converters of general electronic equipment



This catalog contains only a portion of the product lineup.

W.100Y.COM.TW Please refer to the capacitor search tool on the Murata Web site for details.

#### KR3 Series High Dielectric Constant Type Anti- Polise Poli **Part Number List**

#### ■ 6.1×5.3mm

T max.	Rated Voltage	TC Code	Cap.	Tol.	Part Number	
3.0mm	630Vdc	X7T	0.10µF	±10%	KR355LD72J104KH01#	
	TW		0.15µF	±10%	KR355LD72J154KH01#	
	450Vdc	X7T	0.22µF	±10%	KR355LD72W224KH01#	
	LTW		0.33µF	±10%	KR355LD72W334KH01#	
	TI	V	0.47µF	±10%	KR355LD72W474KH01#	
Y.CC	250Vdc	X7T	0.47µF	±10%	KR355LD72E474KH01#	
	$O_{M^{*}}$	1. Y	0.68µF	±10%	KR355LD72E684KH01#	N
3.9mm	630Vdc	Vdc X7T	0.22µF	±10%	KR355QD72J224KH01#	
			0.27µF	±10%	KR355QD72J274KH01#	LM
	450Vdc	X7T	0.56µF	±10%	KR355QD72W564KH01#	TV
	250Vdc	X7T	1.0µF	±10%	KR355QD72E105KH01#	10
5.0mm	450Vdc	X7T	0.68µF	±20%	KR355TD72W684MH01#	M.r
	O.Y.C.	-3/	1.0µF	±20%	KR355TD72W105MH01#	M
W.r.	250Vdc	X7T	1.5µF	±20%	KR355TD72E155MH01#	72
6.7mm	630Vdc	X7T	0.47µF	±20%	KR355WD72J474MH01#	OM
	$700_{J}$		0.56µF	±20%	KR355WD72J564MH01#	0
	450Vdc	X7T	1.2µF	±20%	KR355WD72W125MH01#	
	250Vdc	X7T	2.2µF	±20%	KR355WD72E225MH01#	1.0

8-Terminal Low ESL Type

#### **LLA Series**



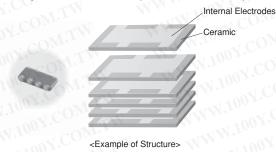


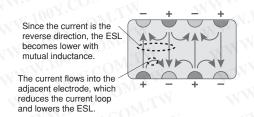
## 8-Terminal Type Low ESL Capacitor Ideal for Power Supply Decoupling of High-speed Operation IC

#### **Features**

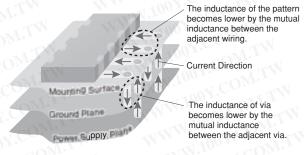
#### 1 Ultra-low ESL

Since the equivalent series inductance (ESL) is very low with excellent high frequency characteristics due to the design structure, this capacitor is ideal for power supply decoupling of high-speed operation IC.





< Effectiveness of Cancelling Out Inductance by Mutual Inductance



<Effectiveness of Suppressing Inductance when Mounting a Multi-terminal Capacitor>

The inductance for the boards also becomes lower, not only the capacitor.

#### 2 A maximum operating temperature up to 125°C.

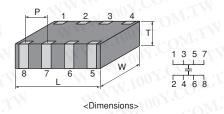
This product is applicable to high temperatures (X7\* characteristics); however, Murata also offers numerous thin type products, which are ideal as decoupling capacitors on IC package.

#### Specifications

Size	1.6×0.8mm to 3.2×1.6mm
Rated Voltage	DC4V to 25V
Capacitance	0.01μF to 4.7μF
Main Applications	Application processor/CPU/GPU

This catalog contains only a portion of the product lineup.

Please refer to the capacitor search tool on the Murata Web site for details.



#### LLA Series High Dielectric Constant Type <a> Part Number List</a>

#### ■ 1.6×0.8mm

<b>■</b> 1.6×	،0.8mı	n			
T max.	Rated Voltage	TC Code	Cap.	Tol.	Part Number
0.55mm	4Vdc	X7S	0.10µF	±20%	LLA185C70G104MA01#
OM			0.22µF	±20%	LLA185C70G224MA01#
$co^{M}$			0.47µF	±20%	LLA185C70G474MA01#
			2.2µF	±20%	LLA185C70G225ME16#

#### ■ 2.0×1.25mm

T max.	Rated Voltage	TC Code	Сар.	Tol.	Part Number
0.55mm	25Vdc	X7R	10000pF	±20%	LLA215R71E103MA14#
	of CO	M.,	22000pF	±20%	LLA215R71E223MA14#
N.100	16Vdc	X7R	47000pF	±20%	LLA215R71C473MA14#
	O.Y.C.	- 1	0.10µF	±20%	LLA215R71C104MA14#
	10Vdc	X7R	0.22µF	±20%	LLA215R71A224MA14#
$NN^{3}$	6.3Vdc	X7R	0.47µF	±20%	LLA215R70J474MA14#
	4Vdc	X7S	1.0µF	±20%	LLA215C70G105MA14#
1111	1100		4.7µF	±20%	LLA215C70G475ME19#
0.95mm	25Vdc	X7R	10000pF	±20%	LLA219R71E103MA01#
		~J (	22000pF	±20%	LLA219R71E223MA01#
	W.1	)() y.	47000pF	±20%	LLA219R71E473MA01#
W	16Vdc	X7R	0.10µF	±20%	LLA219R71C104MA01#
	MM.	. 00	0.22µF	±20%	LLA219R71C224MA01#
	10Vdc	X7R	0.47µF	±20%	LLA219R71A474MA01#
	6.3Vdc	X7R	1.0µF	±20%	LLA219R70J105MA01#
	4Vdc	X7S	2.2µF	±20%	LLA219C70G225MA01#

#### ■ 3.2×1.6mm

T max.	Rated Voltage	TC Code	Cap.	Tol.	Part Number
0.55mm	16Vdc	X7R	0.22µF	±20%	LLA315R71C224MA14#
	10Vdc	X7R	0.47µF	±20%	LLA315R71A474MA14#
	6.3Vdc	X7R	1.0µF	±20%	LLA315R70J105MA14#
		4	2.2µF	±20%	LLA315R70J225MA14#
0.95mm	16Vdc	X7R	0.47µF	±20%	LLA319R71C474MA01#
	10Vdc	X7R	1.0µF	±20%	LLA319R71A105MA01#
1.25mm	16Vdc	X7R	1.0µF	±20%	LLA31MR71C105MA01#
	10Vdc	X7R	2.2µF	±20%	LLA31MR71A225MA01#

LW Reversed Low ESL Type

#### **LLL Series**



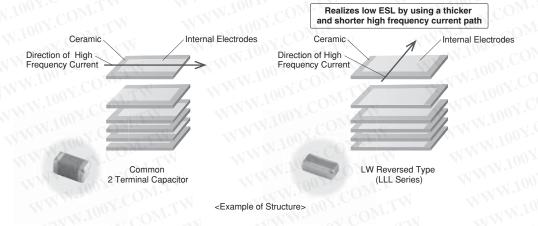


This low ESL capacitor is ideal for power supply decoupling of high-speed operation electronic equipment.

#### **Features**

#### Low ESL

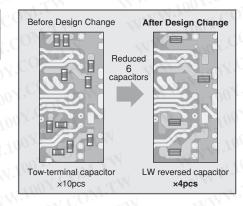
Since the equivalent series inductance (ESL) is low and excellent in high frequency characteristics, this capacitor is suitable for power supply decoupling of high-speed operation electronic equipment.



#### Contributes to a reduction in the number of components.

The number of components can be reduced by using low ESL capacitors, while maintaining functions equivalent to general purpose capacitors (GRM Series).

Murata proposes the use of the LLL series to reduce the number of components Proposal for Cost Reductions and high costs. Simulation is also possible.

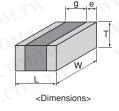


#### A maximum operating temperature up to 125°C.

We also offer an abundant lineup of X7\* characteristics that can be used in high temperature locations, such as IC packages.

#### Specifications

Size	0.5×1.0mm to 1.6×3.2mm
Rated Voltage	DC2.5V to 50V
Capacitance	2,200pF to 10μF
Main Applications	Application processor/CPU/GPU



This catalog contains only a portion of the product lineup.

Please refer to the capacitor search tool on the Murata Web site for details.

#### LLL Series High Dielectric Constant Type <a> Part Number List</a>

#### ■ 0.5×1.0mm

T max.	Rated Voltage	TC Code	Cap.	Tol.	Part Number	
0.35mm	6.3Vdc	X6S	0.10µF	±20%	LLL153C80J104ME01#	
	TIN		0.22µF	±20%	LLL153C80J224ME14#	
	4Vdc	X7S	0.47µF	±20%	LLL153C70G474ME17#	
	VII	X6S	1.0µF	±20%	LLL153C80G105ME21#	

#### ■ 0.6×1.0mm

■ 0.6:	×1.0mi	n m		WWW	N.100X.COM.TA	N
T max.	Rated Voltage	TC Code	Сар.	Tol.	Part Number	IM
0.45mm	4Vdc	X5R	4.3µF	±20%	LLL1U4R60G435ME22#	Derating

#### ■ 0.8×1.6mm

T Rate Voltage 0.5mm 25Vd	ge Code	Сар.	Tol.	Part Number	M.T.V	6.3Vdc	X7R
	7 60				1.25mm	50Vdc	X7R
0.311111 23 Vu		10000pF	±20%	LLL185R71E103MA11#	1.2511111	25Vdc	X7R
16Vd	- CL	22000pF	±20%	LLL185R71C223MA11#	TY	23 V U C	A/II
1000	S ATT	47000pF	±20%	LLL185R71C473MA11#	OM.	16Vdc	X7R
10Vd	c X7R	0.10µF	±20%	LLL185R71A104MA11#	COM.	10Vdc	X7R
4Vdd	407	0.22µF	±20%	LLL185C70G224MA11#	OMIT	6.3Vdc	X7R
0.55mm 4Vdd	X7S	2.2µF	±20%	LLL185C70G225ME01#	T. Control		X5R
0.6mm 50Vd	c X7R	2200pF	±20%	LLL185R71H222MA01#	N.COWE	V	
N TOTAL	1.100	4700pF	±20%	LLL185R71H472MA01#	COM.		
25Vd	c X7R	10000pF	±20%	LLL185R71E103MA01#	$m_{I_{i}}$ com		
WY	1	22000pF	±20%	LLL185R71E223MA01#	1001.		
16Vd	c X7R	47000pF	±20%	LLL185R71C473MA01#	- 100 Y.CO		
10Vd	c X7R	0.10µF	±20%	LLL185R71A104MA01#	E ON CO		
		0.22µF	±20%	LLL185R71A224MA01#	W.100 = C		
4Vdd	X7S	0.47µF	±20%	LLL185C70G474MA01#	100Y.		

#### ■ 1.25×2.0mm

T max.	Rated Voltage	TC Code	Cap.	Tol.	Part Number	N.
0.5mm	50Vdc	X7R	10000pF	±20%	LLL215R71H103MA11#	
	25Vdc	X7R	22000pF	±20%	LLL215R71E223MA11#	
	16Vdc	X7R	47000pF	±20%	LLL215R71C473MA11#	
			0.10µF	±20%	LLL215R71C104MA11#	
	10Vdc	X7R	0.22µF	±20%	LLL215R71A224MA11#	
	6.3Vdc	X7R	0.47µF	±20%	LLL215R70J474MA11#	
	4Vdc	X7S	1.0µF	±20%	LLL215C70G105MA11#	
).7mm	50Vdc	X7R	10000pF	±20%	LLL216R71H103MA01#	N
			22000pF	±20%	LLL216R71H223MA01#	KN
	25Vdc	X7R	47000pF	±20%	LLL216R71E473MA01#	
			0.10µF	±20%	LLL216R71E104MA01#	UN
	10Vdc	X7R	0.22µF	±20%	LLL216R71A224MA01#	T
).95mm	16Vdc	X7R	0.22µF	±20%	LLL219R71C224MA01#	1.0
	10Vdc	X7R	0.47µF	±20%	LLL219R71A474MA01#	M.
			1.0µF	±20%	LLL219R71A105MA01#	M
	4Vdc	X7S	2.2µF	±20%	LLL219C70G225MA01#	

#### ■ 1.6×3.2mm

T max.	Rated Voltage	TC Code	Сар.	Tol.	Part Number
0.5mm	50Vdc	X7R	10000pF	±20%	LLL315R71H103MA11#
	1007	Co	22000pF	±20%	LLL315R71H223MA11#
	25Vdc	X7R	47000pF	±20%	LLL315R71E473MA11#
	N.100	-7 C	0.10µF	±20%	LLL315R71E104MA11#
	16Vdc	X7R	0.22µF	±20%	LLL315R71C224MA11#
	10Vdc	X7R	0.47µF	±20%	LLL315R71A474MA11#
).8mm	50Vdc	X7R	10000pF	±20%	LLL317R71H103MA01#
	WIN	700	22000pF	±20%	LLL317R71H223MA01#
		1.100	47000pF	±20%	LLL317R71H473MA01#
	25Vdc	X7R	0.10µF	±20%	LLL317R71E104MA01#
	16Vdc	X7R	0.22µF	±20%	LLL317R71C224MA01#
	- 13	JW.	0.47µF	±20%	LLL317R71C474MA01#
	10Vdc	X7R	1.0µF	±20%	LLL317R71A105MA01#
	6.3Vdc	X7R	2.2µF	±20%	LLL317R70J225MA01#
.25mm	50Vdc	X7R	0.10µF	±20%	LLL31MR71H104MA01#
	25Vdc	X7R	0.22µF	±20%	LLL31MR71E224MA01#
		M.	0.47µF	±20%	LLL31MR71E474MA01#
	16Vdc	X7R	1.0µF	±20%	LLL31MR71C105MA01#
	10Vdc	X7R	2.2µF	±20%	LLL31MR71A225MA01#
	6.3Vdc	X7R	4.7µF	±20%	LLL31MR70J475MA01#
	N	X5R	10µF	±20%	LLL31MR60J106ME01#

137

10-Terminal Low ESL Type

#### **LLM Series**



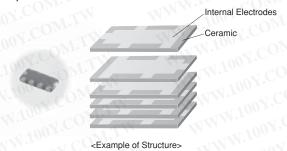


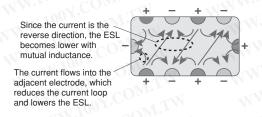
## 10-Terminal Type Low ESL Capacitor Ideal for Power Supply Decoupling of High-speed Operation IC

#### **Features**

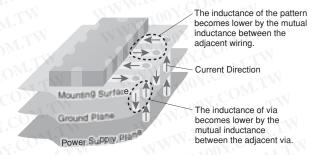
#### 1) This is the lowest ESL LW reversed type capacitor.

Since the equivalent series inductance (ESL) of this product is even lower than the LLA series (8-terminal product) with excellent high frequency characteristics, this capacitor is ideal for power supply decoupling of high-speed operation IC.





<Effectiveness of Cancelling Out Inductance by Mutual Inductance>



<Effectiveness of Suppressing Inductance when Mounting a Multi-terminal Capacitor>

The inductance for the boards also becomes lower, not only the capacitor.

#### 2 A maximum operating temperature up to 125°C.

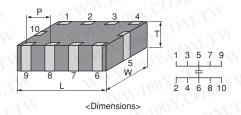
This product is applicable to high temperatures (X7\* characteristics); however, Murata also offers numerous thin type products, which are ideal as decoupling capacitors on IC package.

#### Specifications

Size	2.0×1.25mm to 3.2×1.6mm
Rated Voltage	DC4V to 16V
Capacitance	0.1μF to 2.2μF
Main Applications	Application processor/CPU/GPU

This catalog contains only a portion of the product lineup.

Please refer to the capacitor search tool on the Murata Web site for details.



#### LLM Series High Dielectric Constant Type **Part Number List**

#### ■ 2.0×1.25mm

T max.	Rated Voltage	TC Code	Cap.	Tol.	Part Number
0.55mm	6.3Vdc	X7R	0.22µF	±20%	LLM215R70J224MA11#
OM.			0.47µF	±20%	LLM215R70J474MA11#
COM	4Vdc	X7S	1.0µF	±20%	LLM215C70G105MA11#

#### ■ 3.2×1.6mm

T max.	Rated Voltage	TC Code	Сар.	Tol.	Part Number	
0.55mm	16Vdc	X7R	0.10µF	±20%	LLM315R71C104MA11#	M
	$CO_{\lambda}$		0.22µF	±20%	LLM315R71C224MA11#	TV
	10Vdc	X7R	0.47µF	±20%	LLM315R71A474MA11#	
N.100	6.3Vdc	X7R	2.2µF	±20%	LLM315R70J225MA11#	1.1
×110	O.Y.C.		TW		1111 1007.0	M.

ESR Controlled Low ESL Type

#### **LLR Series**



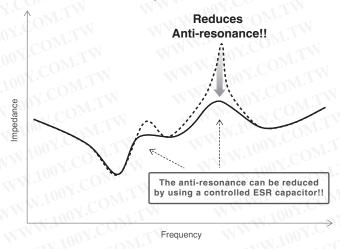


## ESR Controlled Type Low ESL Capacitors Equipped with Anti-resonance Control Function

#### **Features**

#### 1 Reduces Anti-resonance

This capacitor is controlled so that the equivalent series resistance (ESR) becomes slightly higher, and is effective in reducing the anti-resonance that occurs when capacitor arrays are used.



#### 2) Lineup of capacitors with ESR values from 100 to 1,000m $\Omega$ .

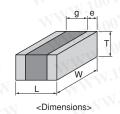
According to the conditions of the anti-resonance, the most suitable ESR value can be selected from 4 types.

#### 3 Low ESL

This ESR controlled type capacitor has excellent high frequency characteristics, with low equivalent series inductance (ESL). This is also ideal as a decoupling component.

#### Specifications

	1002
Size	0.8×1.6mm
Rated Voltage	DC4V
Capacitance	1.0μF
Main Applications	Network processor/ASIC/PMIC



This catalog contains only a portion of the product lineup.

Please refer to the capacitor search tool on the Murata Web site for details.

#### LLR Series High Dielectric Constant Type <a> Part Number List</a>

#### ■ 0.8×1.6mm

T max.	Rated Voltage	TC Code	Cap.	Tol.	Part Number	MAN 100X
0.55mm	4Vdc	X7S	1.0µF	±20%	LLR185C70G105ME01#	WW 100
			WV	±20%	LLR185C70G105ME03#	WWW
coM	. 1		-31	±20%	LLR185C70G105ME05#	MWW.10
. 1	VIII		1/1	±20%	LLR185C70G105ME07#	

## GRM Series

# GJM Series ∬

ries | GJM S

GMA Series

GQM Series GMD Series

GRJ Series ∬ G

#### **⚠** Caution/Notice

#### **⚠**Caution

Storage and Operation Conditions	142
Rating	142
1. Temperature Dependent Characteristics	142
2. Measurement of Capacitance·····	142
3. Applied Voltage ·····	143
Type of Applied Voltage and Self-heating Temperature	143
5. DC Voltage and AC Voltage Characteristics ·····	146
6. Capacitance Aging ·····	146
7. Vibration and Shock ·····	147
Soldering and Mounting	147
1. Mounting Position ·····	147
2. Information before Mounting	148
3. Maintenance of the Mounting (pick and place) Machine	148
4-1. Reflow Soldering ·····	149
4-2. Flow Soldering	150
4-3. Correction of Soldered Portion	151
5. Washing	152
6. Electrical Test on Printed Circuit Board	152
7. Printed Circuit Board Cropping ·····	152
8. Assembly	155
9. Die Bonding/Wire Bonding ·····	156
<b>I</b> Other ·····	156
1. Under Operation of Equipment ······	156

#### Notice

	Rating	157
	1. Operating Temperature ·····	157
	Atmosphere Surroundings     (gaseous and liquid)	157
	3. Piezo-electric Phenomenon	157
	Soldering and Mounting	157
	1. PCB Design ·····	157
	1. Notice for Pattern Forms ·····	
	2. Land Dimensions·····	158
	3. Board Design······	160
	2. Adhesive Application ·····	160
	3. Adhesive Curing ·····	160
	4. Flux for Reflow and Flow Soldering	161
	5. Flow Soldering·····	161
	6. Washing·····	161
	7. Coating ······	161
y.	l Other ·····	162
	1. Transportation ······	162
	Characteristics Evaluation in the Actual System	

#### **⚠**Caution

#### ■ Storage and Operation Conditions

- 1. The performance of chip monolithic ceramic capacitors may be affected by the storage conditions.
  - 1-1. Store the capacitors in the following conditions: Room Temperature of +5°C to +40°C and a Relative Humidity of 20% to 70%.
    - (1) Sunlight, dust, rapid temperature changes, corrosive gas atmosphere, or high temperature and humidity conditions during storage may affect solderability and packaging performance. Therefore, please maintain the storage temperature and humidity. Use the product within six months, as prolonged storage may cause oxidation of the electrodes.
    - (2) Please confirm solderability before using after six months. Store the capacitors without opening the original bag. Even if the storage period is short, do not exceed the specified atmospheric conditions.

- 1-2. Corrosive gas can react with the termination (external) electrodes or lead wires of capacitors, and result in poor solderability. Do not store the capacitors in an atmosphere consisting of corrosive gas (e.g., hydrogen sulfide, sulfur dioxide, chlorine, ammonia gas, etc.).
- 1-3. Due to moisture condensation caused by rapid humidity changes, or the photochemical change caused by direct sunlight on the terminal electrodes and/or the resin/epoxy coatings, the solderability and electrical performance may deteriorate. Do not store capacitors under direct sunlight or in high humidity conditions.

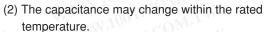
#### Rating

#### 1. Temperature Dependent Characteristics

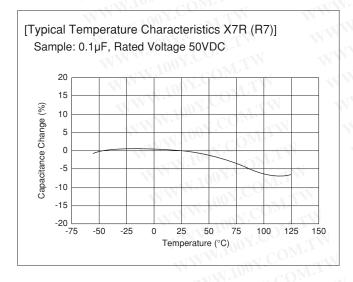
- 1. The electrical characteristics of a capacitor can change with temperature.
  - 1-1. For capacitors having larger temperature dependency, the capacitance may change with temperature changes.

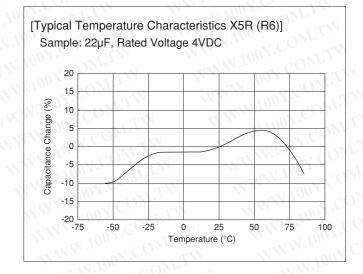
The following actions are recommended in order to ensure suitable capacitance values.

(1) Select a suitable capacitance for the operating temperature range.



When you use a high dielectric constant type capacitor in a circuit that needs a tight (narrow) capacitance tolerance (e.g., a time-constant circuit), please carefully consider the temperature characteristics, and carefully confirm the various characteristics in actual use conditions and the actual system.





#### 2. Measurement of Capacitance

- 1. Measure capacitance with the voltage and frequency specified in the product specifications.
  - 1-1. The output voltage of the measuring equipment may decrease occasionally when capacitance is high. Please confirm whether a prescribed measured voltage is impressed to the capacitor.
- 1-2. The capacitance values of high dielectric constant type capacitors change depending on the AC voltage applied. Please consider the AC voltage characteristics when selecting a capacitor to be used in an AC circuit.

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Continued from the preceding page.

#### 3. Applied Voltage

- 1. Do not apply a voltage to the capacitor that exceeds the rated voltage as called out in the specifications.
  - 1-1. Applied voltage between the terminals of a capacitor shall be less than or equal to the rated voltage.
    - (1) When AC voltage is superimposed on DC voltage, the zero-to-peak voltage shall not exceed the rated DC voltage.
      - When AC voltage or pulse voltage is applied, the peak-to-peak voltage shall not exceed the rated DC voltage.
    - (2) Abnormal voltages (surge voltage, static electricity, pulse voltage, etc.) shall not exceed the rated DC voltage.

oltage Applied to the DC Voltage	DC Voltage+AC	AC Voltage	Pulse Voltage
TW	WWW. ALOY.CO. M.TW	NW 1007.	OM.TW
ONE	$\downarrow $		

WW.100Y.COM.T

(E: Maximum possible applied voltage.)

#### 1-2. Influence of over voltage

Over voltage that is applied to the capacitor may result in an electrical short circuit caused by the breakdown of the internal dielectric layers.

The time duration until breakdown depends on the applied voltage and the ambient temperature.

2. Use a safety standard certified capacitor in a power supply input circuit (AC filter), as it is also necessary to consider the withstand voltage and impulse withstand voltage defined for each device.

#### 4. Type of Applied Voltage and Self-heating Temperature

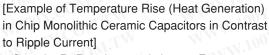
1. Confirm the operating conditions to make sure that no large current is flowing into the capacitor due to the continuous application of an AC voltage or pulse voltage.

When a DC rated voltage product is used in an AC voltage circuit or a pulse voltage circuit, the AC current or pulse current will flow into the capacitor; therefore check the self-heating condition.

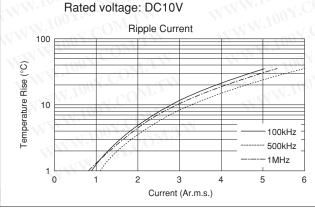
Please confirm the surface temperature of the capacitor so that the temperature remains within the upper limits of the operating temperature, including the rise in temperature due to self-heating. When the capacitor is used with a high-frequency voltage or pulse voltage, heat may be generated by dielectric loss.

<Applicable to Rated Voltage of less than 100VDC>

1-1. The load should be contained to the level such that when measuring at atmospheric temperature of 25°C, the product's self-heating remains below 20°C and the surface temperature of the capacitor in the actual circuit remains within the maximum operating temperature.



Sample: R (R1) characteristics 10µF.



**GRJ Series** 

#### 

Continued from the preceding page.

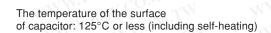
<Applicable to Temperature Characteristics X7R (R7),</p> X7T (D7) beyond Rated Voltage of 200VDC>

1-2. The load should be contained so that the self-heating of the capacitor body remains below 20°C, when measuring at an ambient temperature of 25°C. In addition, use a K thermocouple of Ø0.1mm with less heat capacity when measuring, and measure in a condition where there is no effect from the radiant heat of other components or air flow caused by convection. Excessive generation of heat may cause deterioration of the characteristics and reliability of the capacitor. (Absolutely do not perform measurements while the cooling fan is operating, as an accurate measurement may not be performed.)

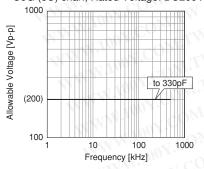
<Applicable to Temperature Characteristics U2J (7U),</p> C0G (5C) beyond Rated Voltage of 200VDC>

1-3. Since the self-heating is low in the low loss series, the allowable power becomes extremely high compared to the common X7R (R7) characteristics. However, when a load with self-heating of 20°C is applied at the rated voltage, the allowable power may be exceeded. When the capacitor is used in a high-frequency voltage circuit of 1kHz or more, the frequency of the applied voltage should be less than 500kHz sine wave (less than 100kHz for a product with rated voltage of DC3.15kV), to limit the voltage load so that the load remains within the derating shown in the following figure. In the case of non-sine wave, high-frequency components exceeding the fundamental frequency may be included. In such a case, please contact Murata. The excessive generation of heat may cause deterioration of the characteristics and reliability of the capacitor. (Absolutely do not perform measurements while the

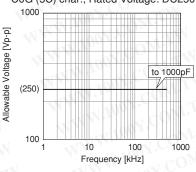
cooling fan is operating, as an accurate measurement may not be performed.)



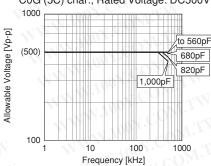




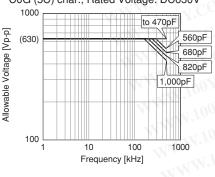
C0G (5C) char., Rated Voltage: DC250V



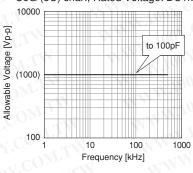
C0G (5C) char., Rated Voltage: DC500V



C0G (5C) char., Rated Voltage: DC630V



C0G (5C) char., Rated Voltage: DC1kV



The sine-wave frequency VS allowable voltage

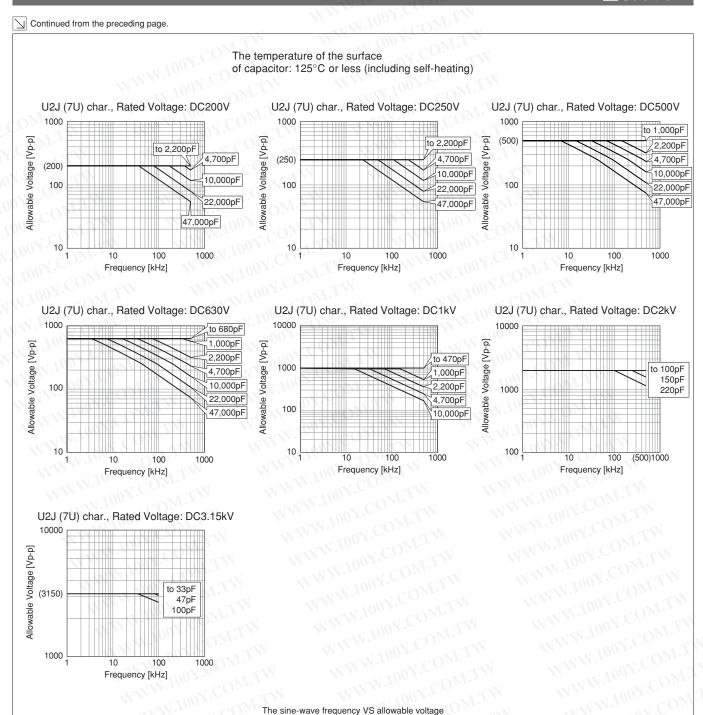
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#### **∕**!\Caution



#### <Design Tool>

· Simsurfing

Simsurfing is a web application to display the characteristics charts and download the characteristics data of our products. The frequency characteristics, temperature characteristics, bias characteristics etc. can be checked.

(Address: http://www.murata.com/simsurfing/)

Medium Voltage Ceramic Capacitor Selection Tool The selection tool "Murata Medium Voltage Capacitors Selection Tool by Voltage Form" is installed in the above SimSurfing, where the usability of the preferred medium voltage ceramic capacitors can be determined according to the application including automobiles.

By using this tool, the preferred products\* can be checked by specifications, such as the power, voltage, and fundamental frequency of the voltage waveform to be input into the capacitor.

#### \*Supported Series

Temperature characteristics U2J (7U), C0G (5C) of GRM/DC200V or more

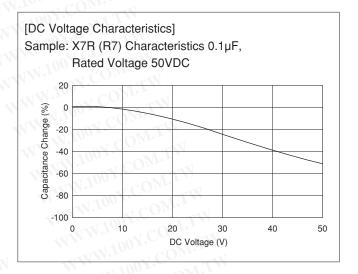
GR3

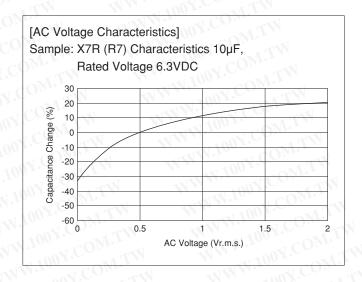
#### **⚠**Caution

#### Continued from the preceding page.

#### 5. DC Voltage and AC Voltage Characteristics

- 1. The capacitance value of a high dielectric constant type capacitor changes depending on the DC voltage applied. Please consider the DC voltage characteristics when a capacitor is selected for use in a DC circuit.
  - 1-1. The capacitance of ceramic capacitors may change sharply depending on the applied voltage (see
    - Please confirm the following in order to secure the capacitance.
    - (1) Determine whether the capacitance change caused by the applied voltage is within the allowed range.
    - (2) In the DC voltage characteristics, the rate of capacitance change becomes larger as voltage increases, even if the applied voltage is below the rated voltage. When a high dielectric constant type capacitor is used in a circuit that requires a tight (narrow) capacitance tolerance (e.g., a time constant circuit), please carefully consider the voltage characteristics, and confirm the various characteristics in actual operating conditions in an actual system.
- 2. The capacitance values of high dielectric constant type capacitors changes depending on the AC voltage applied. Please consider the AC voltage characteristics when selecting a capacitor to be used in an AC circuit.

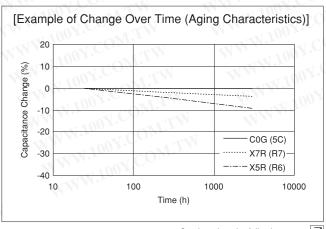




#### 6. Capacitance Aging

1. The high dielectric constant type capacitors have the characteristic in which the capacitance value decreases with the passage of time.

When you use high dielectric constant type capacitors in a circuit that needs a tight (narrow) capacitance tolerance (e.g., a time-constant circuit), please carefully consider the characteristics of these capacitors, such as their aging, voltage, and temperature characteristics. In addition, check capacitors using your actual appliances at the intended environment and operating conditions.







Series

#### **∕**!\Caution

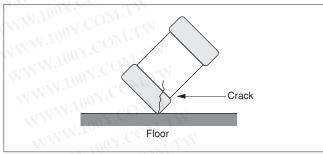
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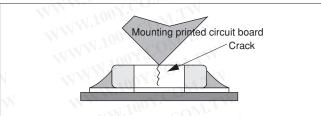
#### 7. Vibration and Shock

- 1. Please confirm the kind of vibration and/or shock, its condition, and any generation of resonance. Please mount the capacitor so as not to generate resonance, and do not allow any impact on the terminals.
- 2. Mechanical shock due to being dropped may cause damage or a crack in the dielectric material of the capacitor.

Do not use a dropped capacitor because the quality and reliability may be deteriorated.

3. When printed circuit boards are piled up or handled, the corner of another printed circuit board should not be allowed to hit the capacitor, in order to avoid a crack or other damage to the capacitor.



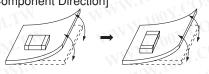


#### ■ Soldering and Mounting

#### 1. Mounting Position

- 1. Confirm the best mounting position and direction that minimizes the stress imposed on the capacitor during flexing or bending the printed circuit board.
  - 1-1. Choose a mounting position that minimizes the stress imposed on the chip during flexing or bending of the board.

#### [Component Direction]



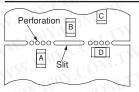
Locate chip horizontal to the direction in which stress

#### [Chip Mounting Close to Board Separation Point]

It is effective to implement the following measures, to reduce stress in separating the board.

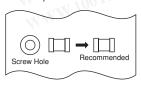
It is best to implement all of the following three measures; however, implement as many measures as possible to reduce stress.

Contents of Measures	Stress Level
(1) Turn the mounting direction of the component parallel to the board separation surface.	A > D
(2) Add slits in the board separation part.	A > B
(3) Keep the mounting position of the component away from the board separation surface.	A > C



#### [Mounting Capacitors Near Screw Holes]

When a capacitor is mounted near a screw hole, it may be affected by the board deflection that occurs during the tightening of the screw. Mount the capacitor in a position as far away from the screw holes as possible.





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F

#### **⚠**Caution

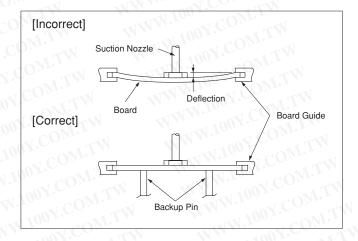
#### Continued from the preceding page.

#### 2. Information before Mounting

- 1. Do not re-use capacitors that were removed from the equipment.
- 2. Confirm capacitance characteristics under actual applied voltage.
- 3. Confirm the mechanical stress under actual process and equipment use.
- 4. Confirm the rated capacitance, rated voltage and other electrical characteristics before assembly.
- 5. Prior to use, confirm the solderability of capacitors that were in long-term storage.
- 6. Prior to measuring capacitance, carry out a heat treatment for capacitors that were in long-term storage.
- 7. The use of Sn-Zn based solder will deteriorate the reliability of the MLCC.
  - Please contact our sales representative or product engineers on the use of Sn-Zn based solder in advance.
- 8. We have also produced a DVD which shows a summary of our opinions, regarding the precautions for mounting. Please contact our sales representative to request the DVD.

#### 3. Maintenance of the Mounting (pick and place) Machine

- 1. Make sure that the following excessive forces are not applied to the capacitors.
  - 1-1. In mounting the capacitors on the printed circuit board, any bending force against them shall be kept to a minimum to prevent them from any bending damage or cracking. Please take into account the following precautions and recommendations for use in your process.
    - (1) Adjust the lowest position of the pickup nozzle so as not to bend the printed circuit board.
    - (2) Adjust the nozzle pressure within a static load of 1N to 3N during mounting.
- 2. Dirt particles and dust accumulated between the suction nozzle and the cylinder inner wall prevent the nozzle from moving smoothly. This imposes greater force upon the chip during mounting, causing cracked chips. Also, the locating claw, when worn out, imposes uneven forces on the chip when positioning, causing cracked chips. The suction nozzle and the locating claw must be maintained, checked, and replaced periodically. WWW.100Y.COM.TW



Continued on the following page. WWW.100Y.COM.TW





**GRM Series** 

Series

Continued from the preceding page.

#### 4-1. Reflow Soldering

- 1. When sudden heat is applied to the components, the mechanical strength of the components will decrease because a sudden temperature change causes deformation inside the components. In order to prevent mechanical damage to the components, preheating is required for both the components and the PCB. Preheating conditions are shown in table 1. It is required to keep the temperature differential between the solder and the components surface ( $\Delta T$ ) as small as possible.
- Solderability of tin plating termination chips might be deteriorated when a low temperature soldering profile where the peak solder temperature is below the melting point of tin is used. Please confirm the solderability of tin plated termination chips before use.
- 3. When components are immersed in solvent after mounting, be sure to maintain the temperature difference ( $\Delta T$ ) between the component and the solvent within the range shown in table 1.

Table 1

Part Number	Temperature Differential	
GJM/GQM/GR3/GRJ/GRM/KRM/LLL/ LLR Series02/03/15/18/21/31 sizes	ΔT≦190°C	
LLL Series 1U size	WW 1100	
GR3/GRJ/GRM/KR3/KRM Series 32/43/55 sizes	WWW.10	
LLA/LLM Series 18/21/31 sizes	ΔT≦130°C	
GQM Series 22 size	M MM	

#### **Recommended Conditions**

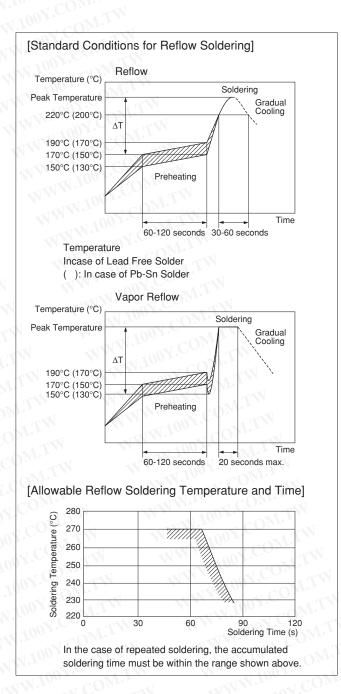
	Pb-S	Lead Free	
W	Reflow	Vapor Reflow	Solder
Peak Temperature	230 to 250°C	230 to 240°C	240 to 260°C
Atmosphere	Air	Saturated vapor of inactive solvent	Air or N2

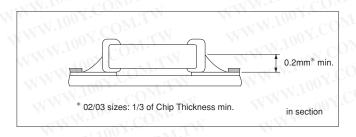
Pb-Sn Solder: Sn-37Pb Lead Free Solder: Sn-3.0Ag-0.5Cu

- 4. Optimum Solder Amount for Reflow Soldering
  - 4-1. Overly thick application of solder paste results in a excessive solder fillet height.
    - This makes the chip more susceptible to mechanical and thermal stress on the board and may cause the chips to crack.
  - 4-2. Too little solder paste results in a lack of adhesive strength on the outer electrode, which may result in chips breaking loose from the PCB.
  - 4-3. Make sure the solder has been applied smoothly to the end surface to a height of 0.2mm\* min.

#### Inverting the PCB

Make sure not to impose any abnormal mechanical shocks to the PCB.







149

**GMD Series** 

#### **⚠**Caution

Continued from the preceding page.

#### 4-2. Flow Soldering

1. Do not apply flow soldering to chips not listed in table 2.

#### Table 2

Part Number	Temperature Differenti	
GR3/GRM Series 18/21/31 sizes	107.COM TYN	
GQM Series 18/21 sizes	COM.	
LLL Series 21/31 sizes	ΔT≦150°C	
GRJ Series Rated Voltage 250VDC or more 18/21/31 sizes	N.100X.COM.TW	

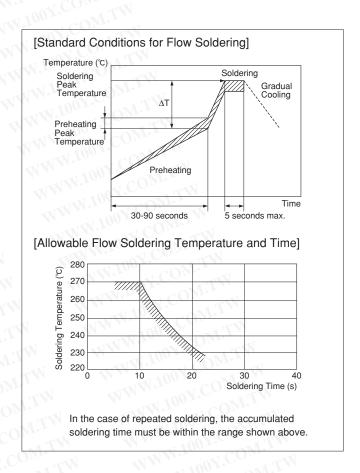
- 2. When sudden heat is applied to the components, the mechanical strength of the components will decrease because a sudden temperature change causes deformation inside the components. In order to prevent mechanical damage to the components, preheating is required for both of the components and the PCB. Preheating conditions are shown in table 2. It is required to keep the temperature differential between the solder and the components surface ( $\Delta T$ ) as low as possible.
- 3. Excessively long soldering time or high soldering temperature can result in leaching of the outer electrodes, causing poor adhesion or a reduction in capacitance value due to loss of contact between the electrodes and end termination.
- 4. When components are immersed in solvent after mounting, be sure to maintain the temperature differential  $(\Delta T)$  between the component and solvent within the range shown in the table 2.

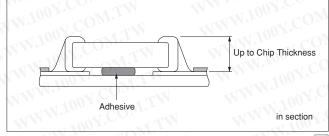
#### **Recommended Conditions**

Recommended Conditions			
W 100	Pb-Sn Solder	Lead Free Solder	
Preheating Peak Temperature	90 to 110°C	100 to 120°C	
Soldering Peak Temperature	240 to 250°C	250 to 260°C	
Atmosphere	Air	Air	

Pb-Sn Solder: Sn-37Pb Lead Free Solder: Sn-3.0Ag-0.5Cu

- 5. Optimum Solder Amount for Flow Soldering
  - 5-1. The top of the solder fillet should be lower than the thickness of the components. If the solder amount is excessive, the risk of cracking is higher during board bending or any other stressful condition.









**LLR Series** 

Continued from the preceding page.

#### 4-3. Correction of Soldered Portion

When sudden heat is applied to the capacitor, distortion caused by the large temperature difference occurs internally, and can be the cause of cracks. Capacitors also tend to be affected by mechanical and thermal stress depending on the board preheating temperature or the soldering fillet shape, and can be the cause of cracks. Please refer to "1. PCB Design" or "3. Optimum solder amount" for the solder amount and the fillet shapes.

- 1. Correction with a Soldering Iron
  - 1-1. In order to reduce damage to the capacitor, be sure to preheat the capacitor and the mounting board. Preheat to the temperature range shown in Table 3. A hot plate, hot air type preheater, etc. can be used for preheating.
  - 1-2. After soldering, do not allow the component/PCB to cool down rapidly.
  - 1-3. Perform the corrections with a soldering iron as quickly as possible. If the soldering iron is applied too long, there is a possibility of causing solder leaching on the terminal electrodes, which will cause deterioration of the adhesive strength and other problems.
- 2. Correction with Spot Heater

Compared to local heating with a soldering iron, hot air heating by a spot heater heats the overall component and board, therefore, it tends to lessen the thermal shock. In the case of a high density mounted board, a spot heater can also prevent concerns of the soldering iron making direct contact with the component.

2-1. If the distance from the hot air outlet of the spot heater to the component is too close, cracks may occur due to thermal shock. To prevent this problem, follow the conditions shown in Table 4.

2-2. In order to create an appropriate solder fillet shape, it is recommended that hot air be applied at the angle shown in Figure 1.

GRJ/GRM Series, 03/15/18 sizes), the top of the solder fillet should be lower than 2/3 of the thickness of the component or 0.5mm, whichever is smaller. In the case of 0805 and larger sizes, (GJM/GQM/GR3/GRJ/ GRM Series, 21/22/31/32/43/55 sizes), the top of the solder fillet should be lower than 2/3 of the thickness of the component. If the solder amount is excessive, the risk of cracking is higher during board bending or under any

other stressful condition.

3. Optimum solder amount when re-working with a soldering iron

3-1. In the case of sizes smaller than 0603, (GJM/GQM/GR3/

Part Number	Temperature of Soldering Iron Tip	Preheating Temperature	Temperature Differential (∆T)	Atmosphere
GJM/GQM/GR3/ GRJ/GRM Series 03/15/18/21/31 sizes	350°C max.	150°C min.	ΔΤ≦190°C	Air
GRJ/GRM Series 32/43/55 sizes GQM Series 22 size	280°C max.	150°C min.	ΔT≦130°C	Air

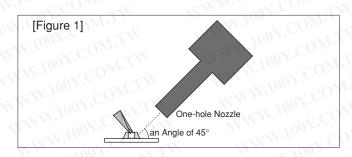
\*Applicable for both Pb-Sn and Lead Free Solder.

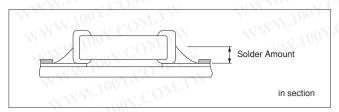
Pb-Sn Solder: Sn-37Pb

Lead Free Solder: Sn-3.0Ag-0.5Cu

Table 4

Distance	5mm or more	
Hot Air Application Angle	45° *Figure 1	
Hot Air Temperature Nozzle Outlet	t 400°C max.	
N.COM.	Less than 10 seconds (1206 (3216 in mm) size or smaller)	
Application Time	Less than 30 seconds (1210 (3225 in mm) size or larger)	







#### 

Continued from the preceding page.

- 3-2. A soldering iron with a tip of ø3mm or smaller should be used. It is also necessary to keep the soldering iron from touching the components during the re-work.
- 3-3. Solder wire with Ø0.5mm or smaller is required for soldering.
- <Applicable to KR3/KRM Series>
- 4. For the shape of the soldering iron tip, refer to the figure on the right.

Regarding the type of solder, use a wire diameter of ø0.5mm or less (rosin core wire solder).

- 4-1. How to Apply the Soldering Iron Apply the tip of the soldering iron against the lower end of the metal terminal.
  - 1) In order to prevent cracking caused by sudden heating of the ceramic device, do not touch the ceramic base directly.
  - 2) In order to prevent deviations and dislocating of the chip, do not touch the junction of the chip and the metal terminal, and the metal portion on the outside directly.
- 4-2. Appropriate Amount of Solder The amount of solder for corrections by soldering iron, should be lower than the height of the lower side of the chip.

## (in mm) Tip of Soldering Iron Tip temperature: 350°C or less/ 5 sec. or less/60W or less Apply the tip of the soldering iron only on the terminal portion, without touching Wire Solder the body of the chip. Cross Section

#### 5. Washing

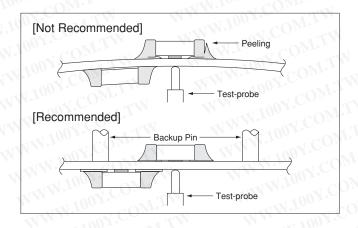
Excessive ultrasonic oscillation during cleaning can cause the PCBs to resonate, resulting in cracked chips or broken solder joints. Take note not to vibrate PCBs.

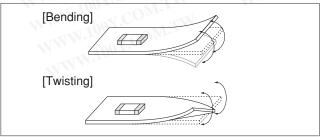
#### 6. Electrical Test on Printed Circuit Board

- 1. Confirm position of the backup pin or specific jig, when inspecting the electrical performance of a capacitor after mounting on the printed circuit board.
  - 1-1. Avoid bending the printed circuit board by the pressure of a test-probe, etc. The thrusting force of the test probe can flex the PCB, resulting in cracked chips or open solder joints. Provide backup pins on the back side of the PCB to
    - prevent warping or flexing. Install backup pins as close to the test-probe as possible.
  - 1-2. Avoid vibration of the board by shock when a test-probe contacts a printed circuit board.

#### 7. Printed Circuit Board Cropping

- 1. After mounting a capacitor on a printed circuit board, do not apply any stress to the capacitor that causes bending or twisting the board.
  - 1-1. In cropping the board, the stress as shown at right may cause the capacitor to crack. Cracked capacitors may cause deterioration of the insulation resistance, and result in a short. Avoid this type of stress to a capacitor.





Series

**⚠Caution** 

- Continued from the preceding page.
- 2. Check the cropping method for the printed circuit board in advance.
  - 2-1. Printed circuit board cropping shall be carried out by using a jig or an apparatus (Disk separator, router type separator, etc.) to prevent the mechanical stress that can occur to the board.

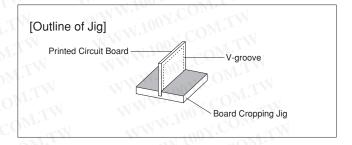
Day on the Mathed	Hand Separation	(4) Beaution 100	Board Separation Apparatus		
Board Separation Method	Nipper Separation	(1) Board Separation Jig	(2) Disk Separator	(3) Router Type Separator	
Level of stress on board	High	Medium	Medium	Low	
Recommended	100 × 0M.)	Δ*	Δ*	0	
Notes	Hand and nipper separation apply a high level of stress. Use another method.	Board handling     Board bending direction     Layout of capacitors	Board handling     Layout of slits     Design of V groove     Arrangement of blades     Controlling blade life	Board handling	

<sup>\*</sup> When a board separation jig or disk separator is used, if the following precautions are not observed, a large board deflection stress will occur and the capacitors may crack. Use router type separator if at all possible.

(1) Example of a suitable jig

[In the case of Single-side Mounting]

An outline of the board separation jig is shown as follows. Recommended example: Stress on the component mounting position can be minimized by holding the portion close to the jig, and bend in the direction towards the side where the capacitors are mounted. Not recommended example: The risk of cracks occurring in the capacitors increases due to large stress being applied to the component mounting position, if the portion away from the jig is held and bent in the direction opposite the side where the capacitors are mounted.



Recommended	Not Recommended	
Printed Circuit Board — Components  Load Point	Load Point Direction of Load  Printed Circuit Board Components	

[In the case of Double-sided Mounting]

Since components are mounted on both sides of the board, the risk of cracks occurring can not be avoided with the above method.

Therefore, implement the following measures to prevent stress from being applied to the components. (Measures)

- Consider introducing a router type separator.
   If it is difficult to introduce a router type separator, implement the following measures. (Refer to item 1. Mounting Position)
- (2) Mount the components parallel to the board separation surface.
- (3) When mounting components near the board separation point, add slits in the separation position near the component.
- (4) Keep the mounting position of the components away from the board separation point.

#### **1**Caution

Continued from the preceding page.

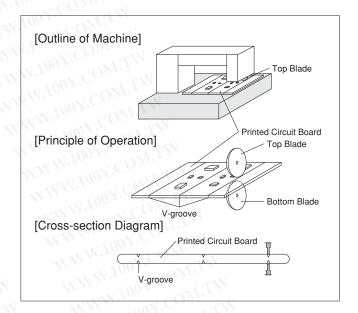
(2) Example of a Disk Separator

An outline of a disk separator is shown as follows. As shown in the Principle of Operation, the top blade and bottom blade are aligned with the V-grooves on the printed circuit board to separate the board.

In the following case, board deflection stress will be applied and cause cracks in the capacitors.

- (1) When the adjustment of the top and bottom blades are misaligned, such as deviating in the top-bottom, left-right or front-rear directions
- (2) The angle of the V groove is too low, depth of the V groove is too shallow, or the V groove is misaligned top-bottom

IF V groove is too deep, it is possible to brake when you handle and carry it. Carefully design depth of the V groove with consideration about strength of material of the printed circuit board.



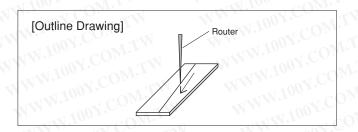
N.C. Destantian	Not Recommended						
Recommended	Top-bottom Misalignment	Left-right Misalignment	Front-rear Misalignment				
Top Blade	Top Blade	Top Blade	Top Blade				
	Walling COM						
Bottom Blade	Bottom Blade	Bottom Blade	Bottom Blade				

Example of Recommended	Not Recommended						
V-groove Design	Left-right Misalignment	Low-Angle	Depth too Shallow	Depth too Deep			

(3) Example of Router Type Separator

The router type separator performs cutting by a router rotating at a high speed. Since the board does not bend in the cutting process, stress on the board can be suppressed during board separation.

When attaching or removing boards to/from the router type separator, carefully handle the boards to prevent bending.







M

**∴**Caution

Continued from the preceding page.

#### 8. Assembly

#### Handling

If a board mounted with capacitors is held with one hand, the board may bend. Firmly hold the edges of the board with both hands when handling.

If a board mounted with capacitors is dropped, cracks may occur in the capacitors.

Do not use dropped boards, as there is a possibility that the quality of the capacitors may be impaired.

#### 2. Attachment of Other Components

#### 2-1. Mounting of Other Components

Pay attention to the following items, when mounting other components on the back side of the board after capacitors have been mounted on the opposite side. When the bottom dead point of the suction nozzle is set too low, board deflection stress may be applied to the capacitors on the back side (bottom side), and cracks may occur in the capacitors.

- · After the board is straightened, set the bottom dead point of the nozzle on the upper surface of the board.
- · Periodically check and adjust the bottom dead point.
- 2-2. Inserting Components with Leads into Boards When inserting components (transformers, IC, etc.) into boards, bending the board may cause cracks in the capacitors or cracks in the solder.

Pay attention to the following.

- · Increase the size of the holes to insert the leads, to reduce the stress on the board during insertion.
- · Fix the board with backup pins or a dedicated jig before insertion.
- · Support below the board so that the board does not bend. When using multiple backup pins on the board, periodically confirm that there is no difference in the height of each backup pin.

#### 2-3. Attaching/Removing Sockets

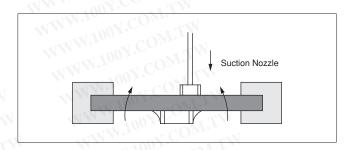
When the board itself is a connector, the board may bend when a socket is attached or removed. Plan the work so that the board does not bend when a socket is attached or removed.

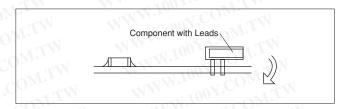
#### 2-4. Tightening Screws

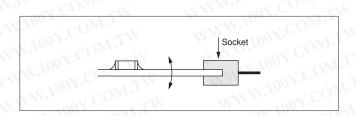
The board may be bent, when tightening screws, etc. during the attachment of the board to a shield or chassis.

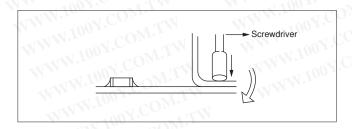
Pay attention to the following items before performing

- · Plan the work to prevent the board from bending.
- · Use a torque screwdriver, to prevent over-tightening of the screws.
- · The board may bend after mounting by reflow soldering, etc. Please note, as stress may be applied to the chips by forcibly flattening the board when tightening the screws.













**GRJ Series** 

#### **⚠**Caution

Continued from the preceding page.

<Applicable to GMA or GMD Series>

#### 9. Die Bonding/Wire Bonding

- 1. Die Bonding of Capacitors
  - 1-1. Use the following materials for the Brazing alloys: Au-Sn (80/20) 300 to 320 °C in N2 atmosphere
  - 1-2. Mounting
    - (1) Control the temperature of the substrate so it matches the temperature of the brazing alloy.
    - (2) Place the brazing alloy on the substrate and place the capacitor on the alloy. Hold the capacitor and gently apply the load. Be sure to complete the operation within 1 minute.

#### 2. Wire Bonding

2-1. Wire

Gold wire: 25 micro m (0.001 inch) diameter

- 2-2. Bonding
  - (1) Thermo compression, ultrasonic ball bonding.
  - (2) Required stage temperature: 150 to 200 °C
  - (3) Required wedge or capillary weight: 0.2N to 0.5N
  - (4) Bond the capacitor and base substrate or other devices with gold wire.

#### Other

#### 1. Under Operation of Equipment

- 1-1. Do not touch a capacitor directly with bare hands during operation in order to avoid the danger of an electric shock.
- 1-2. Do not allow the terminals of a capacitor to come in contact with any conductive objects (short-circuit). Do not expose a capacitor to a conductive liquid, including any acid or alkali solutions.
- 1-3. Confirm the environment in which the equipment will operate is under the specified conditions. Do not use the equipment under the following environments.
  - (1) Being spattered with water or oil.
  - (2) Being exposed to direct sunlight.
  - (3) Being exposed to ozone, ultraviolet rays, or radiation.
  - (4) Being exposed to toxic gas (e.g., hydrogen sulfide, sulfur dioxide, chlorine, ammonia gas, etc.)
  - (5) Any vibrations or mechanical shocks exceeding the specified limits.
  - (6) Moisture condensing environments.
- 1-4. Use damp proof countermeasures if using under any conditions that can cause condensation.

#### 2. Other

- 2-1. In an Emergency
  - (1) If the equipment should generate smoke, fire, or smell, immediately turn off or unplug the equipment. If the equipment is not turned off or unplugged, the hazards may be worsened by supplying continuous power.
  - (2) In this type of situation, do not allow face and hands to come in contact with the capacitor or burns may be caused by the capacitor's high temperature.

#### 2-2. Disposal of Waste

When capacitors are disposed of, they must be burned or buried by an industrial waste vendor with the appropriate licenses.

- 2-3. Circuit Design
  - (1) Addition of Fail Safe Function Capacitors that are cracked by dropping or bending of the board may cause deterioration of the insulation resistance, and result in a short. If the circuit being used may cause an electrical shock, smoke or fire when a capacitor is shorted, be sure to install fail-safe functions, such as a fuse, to prevent secondary accidents.
  - (2) Capacitors used to prevent electromagnetic interference in the primary AC side circuit, or as a connection/insulation, must be a safety standard certified product, or satisfy the contents stipulated in the Electrical Appliance and Material Safety Law. Install a fuse for each line in case of a short.
  - (3) The GJM, GMA, GMD, GQM, GR3, GRJ, GRM, KR3, KRM, LLA, LLL, LLM and LLR series are not safety standard certified products.

#### 2-4. Remarks

Failure to follow the cautions may result, worst case in a short circuit and smoking when the product is used.

The above notices are for standard applications and conditions. Contact us when the products are used in special mounting conditions.

Select optimum conditions for operation as they determine the reliability of the product after assembly. The data herein are given in typical values, not guaranteed ratings.

#### Rating

#### 1. Operating Temperature

- 1. The operating temperature limit depends on the capacitor.
  - 1-1. Do not apply temperatures exceeding the upper operating temperature.
    - It is necessary to select a capacitor with a suitable rated temperature that will cover the operating temperature range.
    - It is also necessary to consider the temperature distribution in equipment and the seasonal temperature variable factor.
  - 1-2. Consider the self-heating factor of the capacitor. The surface temperature of the capacitor shall be the upper operating temperature or less when including the self-heating factors.

#### 2. Atmosphere Surroundings (gaseous and liquid)

- 1. Restriction on the operating environment of capacitors.
  - 1-1. Capacitors, when used in the above, unsuitable,

- operating environments may deteriorate due to the corrosion of the terminations and the penetration of moisture into the capacitor.
- 1-2. The same phenomenon as the above may occur when the electrodes or terminals of the capacitor are subject to moisture condensation.
- 1-3. The deterioration of characteristics and insulation resistance due to the oxidization or corrosion of terminal electrodes may result in breakdown when the capacitor is exposed to corrosive or volatile gases or solvents for long periods of time.

#### 3. Piezo-electric Phenomenon

1. When using high dielectric constant type capacitors in AC or pulse circuits, the capacitor itself vibrates at specific frequencies and noise may be generated. Moreover, when the mechanical vibration or shock is added to the capacitor, noise may occur.

#### ■ Soldering and Mounting

#### 1. PCB Design

- 1. Notice for Pattern Forms
  - susceptible to flexing stresses since they are mounted directly on the substrate. They are also more sensitive to mechanical and thermal stresses than leaded components. Excess solder fillet height can multiply these stresses and cause chip cracking. When designing substrates, take land patterns and dimensions into consideration to eliminate the possibility of excess solder fillet height.

1-1. Unlike leaded components, chip components are

- 1-2. There is a possibility of chip cracking caused by PCB expansion/contraction with heat, because stress on a chip is different depending on PCB material and structure. When the thermal expansion coefficient greatly differs between the board used for mounting and the chip, it will cause cracking of the chip due to the thermal expansion and contraction. When capacitors are mounted on a fluorine resin printed circuit board or on a single-layered glass
  - epoxy board, it may also cause cracking of the chip for the same reason.

#### Pattern Forms

N ·	Prohibited	Correct
Placing Close to Chassis	Chassis Solder (ground) Electrode Pattern	Solder Resist
Placing of Chip Components and Leaded Components	Lead Wire	Solder Resist
Placing of Leaded Components after Chip Component	Soldering Iron Lead Wire	Solder Resist
Lateral Mounting		Solder Resist



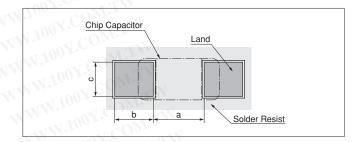


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#### 2. Land Dimensions

2-1. Chip capacitors can be cracked due to the stress of PCB bending, etc. if the land area is larger than needed and has an excess amount of solder. Please refer to the land dimensions in table 1 for flow soldering, table 2 for reflow soldering, table 3 for reflow soldering for LLA Series, table 4 for reflow soldering for LLM Series.

Please confirm the suitable land dimension by evaluating of the actual SET / PCB.



#### Table 1 Flow Soldering Method

Dimensions Part Number	Chip (L×W)	W a 100	COM b	С
GQM/GR3/GRJ/GRM Series 18 size	1.6×0.8	0.6 to 1.0	0.8 to 0.9	0.6 to 0.8
GQM/GR3/GRJ/GRM Series 21 size	2.0×1.25	1.0 to 1.2	0.9 to 1.0	0.8 to 1.1
GR3/GRJ/GRM Series 31 size	3.2×1.6	2.2 to 2.6	1.0 to 1.1	1.0 to 1.4
LLL Series 21 size	1.25×2.0	0.4 to 0.7	0.5 to 0.7	1.4 to 1.8
LLL Series 31 size	1.6×3.2	0.6 to 1.0	0.8 to 0.9	2.6 to 2.8

Flow soldering can only be used for products with a chip size from 1.6x0.8mm to 3.2x1.6mm.

(in mm)

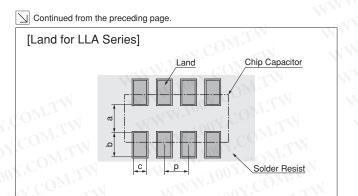
#### Table 2 Reflow Soldering Method

Part Number	Chip (L×W)	a WW	M.100 p	TW c
GJM/GRM Series 02 size	0.4×0.2	0.16 to 0.2	0.12 to 0.18	0.2 to 0.23
GJM/GRM Series 03 size	0.6×0.3	0.2 to 0.3	0.2 to 0.35	0.2 to 0.4
O IMODIA O SIL CATALON	1.0×0.5 (within ±0.10)	0.3 to 0.5	0.35 to 0.45	0.4 to 0.6
GJM/GRM Series 15 size	1.0×0.5 (±0.15/±0.20)	0.4 to 0.6	0.4 to 0.5	0.5 to 0.7
COMODO CON COMO DE LA COMO	1.6×0.8 (within ±0.10)	0.6 to 0.8	0.6 to 0.7	0.6 to 0.8
GQM/GR3/GRJ/GRM Series 18 size	1.6×0.8 (±0.15/±0.20)	0.7 to 0.9	0.7 to 0.8	0.8 to 1.0
GQM Series 21 size	2.0×1.25	1.0 to 1.2	0.6 to 0.7	0.8 to 1.1
W. 100 r. CONLT	2.0××1.25 (within ±0.10)	1.2	0.6	1.25
GR3/GRJ/GRM Series 21 size	2.0×1.25 (±0.15)	1.2	0.6 to 0.8	1.2 to 1.4
	2.0×1.25 (±0.20)	1.0 to 1.4	0.6 to 0.8	1.2 to 1.4
GR3/GRJ/GRM Series 31 size	3.2×1.6 (within ±0.20)	1.8 to 2.0	0.9 to 1.2	1.5 to 1.7
	3.2×1.6 (±0.30)	1.9 to 2.1	1.0 to 1.3	1.7 to 1.9
GR3/GRJ/GRM Series 32 size	3.2×2.5	2.0 to 2.4	1.0 to 1.2	1.8 to 2.3
GR3/GRJ/GRM Series 43 size	4.5×3.2	3.0 to 3.5	1.2 to 1.4	2.3 to 3.0
GR3/GRJ/GRM Series 55 size	5.7×5.0	4.0 to 4.6	1.4 to 1.6	3.5 to 4.8
LLL Series 15 size	0.5×1.0	0.15 to 0.2	0.2 to 0.25	0.7 to 1.0
LLL Series 1U size	0.6×1.0	0.20 to 0.25	0.25 to 0.35	0.7 to 1.0
LLL/LLR Series 18 size	0.8×1.6	0.2 to 0.3	0.3 to 0.4	1.4 to 1.6
LLL Series 21 size	1.25×2.0	0.4 to 0.5	0.4 to 0.5	1.4 to 1.8
LLL Series 31 size	1.6×3.2	0.6 to 0.8	0.6 to 0.7	2.6 to 2.8
GQM Series 22 size	2.8×2.8	2.2 to 2.5	0.8 to 1.0	1.9 to 2.3

applicable to Fart Number Kno/Knivi>	CUN	7		
Dimensions Part Number	Chip (L×W)	a	COM b	С
KRM Series 21 size	2.0×1.25	1.0 to 1.2	0.6 to 0.7	0.8 to 1.1
KRM Series 31 size	3.2×1.6	2.2 to 2.4	0.8 to 0.9	1.0 to 1.4
KR3/KRM Series 55 size	5.7×5.0	2.6	2.7	5.6
MM	TY TY			(in
			Continued	on the following page.







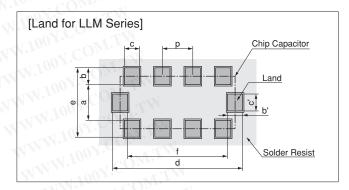


Table 3 LLA Series Reflow Soldering Method

Dimensions Part Number	Chip (L×W)	a	NWW.100X.C	C	р
LLA Series 18 size	1.6×0.8	0.3 to 0.4	0.25 to 0.35	0.15 to 0.25	0.4
LLA Series 21 size	2.0×1.25	0.5 to 0.7	0.35 to 0.6	0.2 to 0.3	0.5
LLA Series 31 size	3.2×1.6	0.7 to 0.9	0.4 to 0.7	0.3 to 0.4	0.8

(in mm)

Table 4 LLM Series Reflow Soldering Method

Dimensions Part Number	Chip (L×W)	a CC	b, b'	c, c'	d 101	oy.eOM	CT\f	р
LLM Series 21 size	2.0×1.25	0.6 to 0.8	(0.3 to 0.5)	0.3	2.0 to 2.6	1.3 to 1.8	1.4 to 1.6	0.5
LLM Series 31 size	3.2×X1.6	1.0	(0.3 to 0.5)	0.4	3.2 to 3.6	1.6 to 2.0	2.6	0.8

(in mm) b=(c-e)/2, b'=(d-f)/2

#### <Applicable to beyond Rated Voltage of 250VDC>

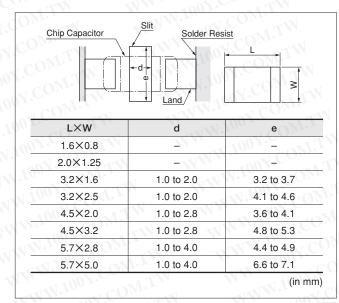
#### 2-2. Dimensions of Slit (Example)

Preparing the slit helps flux cleaning and resin coating on the back of the capacitor.

However, the length of the slit design should be as short as possible to prevent mechanical damage in the capacitor.

A longer slit design might receive more severe mechanical stress from the PCB.

Recommended slit design is shown in the Table.







Continued from the preceding page.

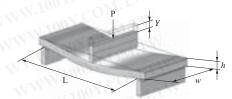
#### 3. Board Design

When designing the board, keep in mind that the amount of strain which occurs will increase depending on the size and material of the board.

[Relationship with amount of strain to the board thickness, length, width, etc.]

$$\varepsilon = \frac{3PL}{2Ewh^2}$$
 Relationship between load and strain

- ε: Strain on center of board (μst)
- L: Distance between supporting points (mm)
- w: Board width (mm)
- h: Board thickness (mm)
- E: Elastic modulus of board (N/m²=Pa)
- Y: Deflection (mm)
- P: Load (N)



When the load is constant, the following relationship can be established.

- As the distance between the supporting points (L) increases, the amount of strain also increases.
- →Reduce the distance between the supporting points.
- As the elastic modulus (E) decreases, the amount of strain increases. Increase the elastic modulus.
- As the board width (w) decreases, the amount of strain increases.
- →Increase the width of the board.
- As the board thickness (h) decreases, the amount of strain increases. →Increase the thickness of the board.

Since the board thickness is squared, the effect on the amount of strain becomes even greater.

#### 2. Adhesive Application

1. Thin or insufficient adhesive can cause the chips to loosen or become disconnected during flow soldering. The amount of adhesive must be more than dimension c, shown in the drawing at right, to obtain the correct bonding strength.

The chip's electrode thickness and land thickness must also be taken into consideration.

2. Low viscosity adhesive can cause chips to slip after mounting. The adhesive must have a viscosity of 5000Pa · s (500ps) min. (at 25°C).

#### 3. Adhesive Coverage

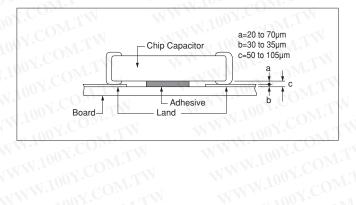
o. Manosivo Oovorago	x1 100 AND
Size (L×W) (in mm)	Adhesive Coverage*
1.6×0.8	0.05mg min.
2.0×1.25	0.1mg min.
3.2×1.6	0.15mg min.

\*Nominal Value

#### 3. Adhesive Curing

1. Insufficient curing of the adhesive can cause chips to disconnect during flow soldering and causes deterioration in the insulation resistance between the outer electrodes due to moisture absorption.

Control curing temperature and time in order to prevent insufficient hardening.





Series

#### **Notice**

Continued from the preceding page.

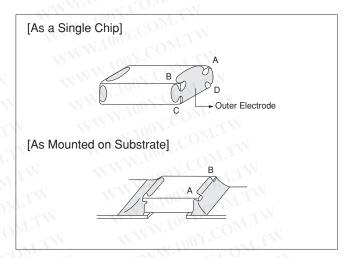
#### 4. Flux for Reflow and Flow Soldering

- 1. An excessive amount of flux generates a large quantity of flux gas, which can cause a deterioration of solder ability, so apply flux thinly and evenly throughout. (A foaming system is generally used for flow soldering.)
- 2. Flux containing too high a percentage of halide may cause corrosion of the outer electrodes unless there is sufficient cleaning. Use flux with a halide content of 0.1%
- 3. Do not use strong acidic flux.
- 4. Do not use water-soluble flux.\*

(\*Water-soluble flux can be defined as non-rosin type flux including wash-type flux and non-wash-type flux.)

#### 5. Flow Soldering

Set temperature and time to ensure that leaching of the outer electrode does not exceed 25% of the chip end area as a single chip (full length of the edge A-B-C-D shown at right) and 25% of the length A-B shown as mounted on substrate.



- 1. Please evaluate the capacitor using actual cleaning equipment and conditions to confirm the quality, and select the solvent for cleaning.
- 2. Unsuitable cleaning solvent may leave residual flux or other foreign substances, causing deterioration of electrical characteristics and the reliability of the capacitors.
- 3. Select the proper cleaning conditions.
  - 3-1. Improper cleaning conditions (excessive or insufficient) may result in deterioration of the performance of the capacitors.

#### 7. Coating

1. A crack may be caused in the capacitor due to the stress of the thermal contraction of the resin during curing process.

The stress is affected by the amount of resin and curing contraction.

Select a resin with low curing contraction.

The difference in the thermal expansion coefficient between a coating resin or a molding resin and the capacitor may cause the destruction and deterioration of the capacitor such as a crack or peeling, and lead to the deterioration of insulation resistance or dielectric breakdown.

Select a resin for which the thermal expansion coefficient is as close to that of the capacitor as possible.

A silicone resin can be used as an under-coating to buffer against the stress.

2. Select a resin that is less hygroscopic.

Using hygroscopic resins under high humidity conditions may cause the deterioration of the insulation resistance of a capacitor.

An epoxy resin can be used as a less hygroscopic resin.



Continued from the preceding page.

#### Other

#### 1. Transportation

- 1. The performance of a capacitor may be affected by the conditions during transportation.
  - 1-1. The capacitors shall be protected against excessive temperature, humidity, and mechanical force during transportation.
    - (1) Climatic condition
      - · low air temperature: -40°C
      - change of temperature air/air: -25°C/+25°C
      - · low air pressure: 30 kPa
      - change of air pressure: 6 kPa/min.
    - (2) Mechanical condition

Transportation shall be done in such a way that the boxes are not deformed and forces are not directly passed on to the inner packaging.

- 1-2. Do not apply excessive vibration, shock, or pressure to the capacitor.
  - (1) When excessive mechanical shock or pressure is applied to a capacitor, chipping or cracking may occur in the ceramic body of the capacitor.
  - (2) When the sharp edge of an air driver, a soldering iron, tweezers, a chassis, etc. impacts strongly on the surface of the capacitor, the capacitor may crack and short-circuit.
- 1-3. Do not use a capacitor to which excessive shock was applied by dropping, etc. A capacitor dropped accidentally during processing may be damaged.

#### 2. Characteristics Evaluation in the Actual System

- 1. Evaluate the capacitor in the actual system, to confirm that there is no problem with the performance and specification values in a finished product before using.
- 2. Since a voltage dependency and temperature dependency exists in the capacitance of high dielectric type ceramic capacitors, the capacitance may change depending on the operating conditions in the actual system. Therefore, be sure to evaluate the various characteristics, such as the leakage current and noise absorptivity, which will affect the capacitance value of the capacitor.
- 3. In addition, voltages exceeding the predetermined surge may be applied to the capacitor by the inductance in the actual system. Evaluate the surge resistance in the actual system as required.



#### **Qualified Standards**

ertified factory.	Plant		TWW.1
Fukui Murata Mfg. Co., Ltd.	W.100 1. COL	U.T.	-WW.
Izumo Murata Mfg. Co., Ltd.	1100 Y.C.	M.T.W	
Okayama Murata Mfg. Co., I	td.	WT	MM
Murata Electronics Singapor	re (Pte.) Ltd.	OMP	WW
Beijing Murata Electronics C	o., Ltd.	OWIT	
Wuxi Murata Electronics Co	., Ltd.	TIM	



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		MAIN.	TOON CONTIN		M. 100 X. COM: L. (CO
W					
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					M.M.M. 100X
					MMM:100X
	MMM.100	V.COM.TW	WWW.100	X.COM.TW	
	WWW.10				
	M.M.M.	OON.COM.TW			

# Design assistant tool: SimSurfing SimSurfing

#### MLCC is now available!

Design assistant tool "SimSurfing" has been updated and you can now find and view any kind of characteristics of MLCCs.

#### **Available function for MLCCs:**

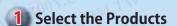
- 1) Products search
- ② View frequency characteristics (S parameters, Z, R, X, Q, DF, L, C) DC bias can be applied to available part number.
- ③ DC voltage bias characteristics (absolute capacitance/change rate)
- 4 Temperature characteristics (absolute capacitance/change rate)
- ⑤ AC voltage bias characteristics (absolute capacitance/change rate)
- ⑥ Download SPICE netlist/S parameter



If you register members only engineers portal site "my Murata", you can use the Enhanced SimSurfing.

Member Registration

https://my.murata.com/

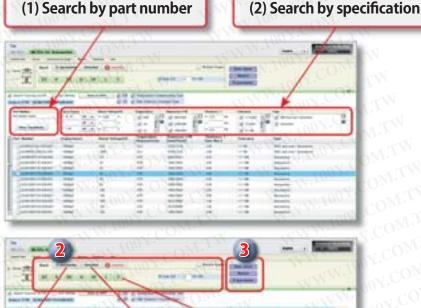


- (1) By part number(2) By specification
- **2** View characteristics

By clicking buttons in this area with part number selected, you can view any electrical characteristics chart.

3 Data download

You can download SPICE netlist and S parameter files (S2P)





Added the capacitor finder tool for middle and high voltage capacitor which are capable for specified voltage waveform.

These images are captured at August/2014. Be sure that this software will be updated frequently.

## **Capacitor Website Introduction**



Search by part number http://psearch.murata.com/capacitor/partnumber/ Search by part number | human poors 140055 in

The applicable capacitors can be searched by alphanumeric characters. Although the alternative symbol "#" is used for the package specification code, you can also enter the full package specification code to search the part number including the package specification code.

### Search by specifications http://psearch.murata.com/capacitor/spec/

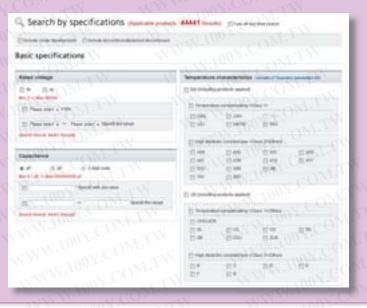
Capacitors can be searched by various specifications, such as the capacitance, rated voltage, and temperature characteristics.

#### Basic specifications

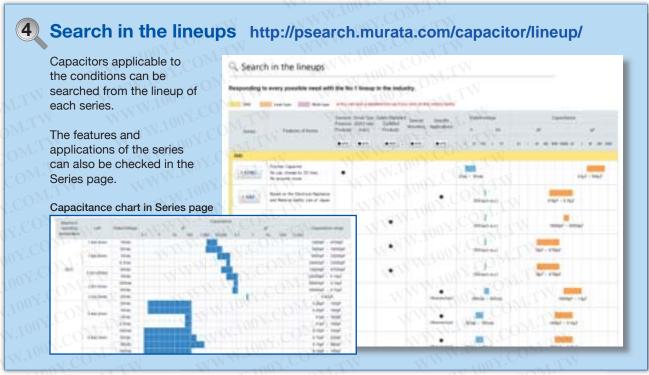
Applicable products can be searched by any value and specified range. To support the entry, the minimum and maximum values of the product applicable to the conditions selected in the other items will be displayed.

#### Add detailed specifications

Setting the conditions particular to the SMD, mold and lead, enables you to search the product with a more detailed specification.

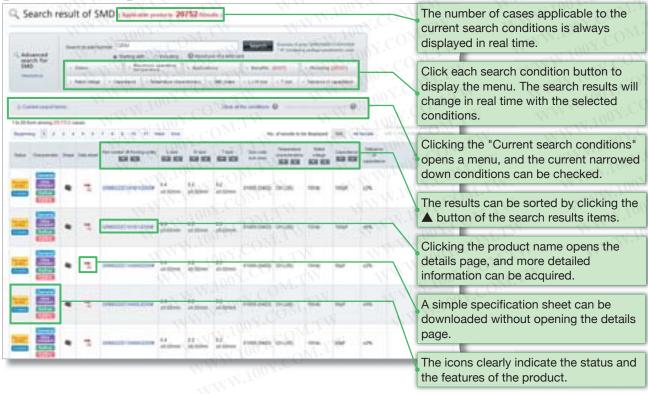








#### [Search result]



## Global Locations

For details please visit www.murata.com

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#### **⚠**Note

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#### For customers in Japan:

For products which are controlled items subject to the "Foreign Exchange and Foreign Trade Law" of Japan, the export license specified by the law is required for export.

- Please contact our sales representatives or product engineers before using the products in this catalog for the applications listed below, which require especially high reliability for the prevention of defects which might directly damage a third party's life, body or property, or when one of our products is intended for use in applications other than those specified in this catalog.
  - Aircraft equipment
  - Aerospace equipment
  - 3 Undersea equipment
- Power plant equipment
- Medical equipment
- **(6)** Transportation equipment (vehicles, trains, ships, etc.)
- 7 Traffic signal equipment
- (3) Disaster prevention / crime prevention equipment
- Data-processing equipment
- Application of similar complexity and/or reliability requirements to the applications listed above

- 3 Product specifications in this catalog are as of August 2014. They are subject to change or our products in it may be discontinued without advance notice. Please check with our sales representatives or product engineers before ordering. If there are any questions, please contact our sales representatives or product engineers.
- 4 Please read rating and \(\Delta\)CAUTION (for storage, operating, rating, soldering, mounting and handling) in this catalog to prevent smoking and/or burning, etc.
- This catalog has only typical specifications.
  Therefore, please approve our product
  specifications or transact the approval sheet
  for product specifications before ordering.
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- 7 No ozone depleting substances (ODS) under the Montreal Protocol are used in our manufacturing process.

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