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Only Reflow Soldering
 Chip Monolithic Ceramic Capacitor High-Q Type for General
GJM155SC1H1R0BB01_ (0402, COG:EIA, 1pF, DC50V)
 _ : packaging code

Reference Sheet

1.Scope

This product specification is applied to Chip Monolithic Ceramic Capacitor High-Q Type used for General Electronic equipment.
 This product is applied for Only Reflow Soldering.

2.MURATA Part NO. System

(Ex.)

GJM	15	5	SC	1H	1R0	B	B01	D
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 (1)L/W Dimension (2)T Dimension (3)Temperature Characteristics (4)Rated Voltage (5)Nominal Capacitance (6)Capacitance Tolerance (7)Murata's Code (8)Packaging Code

3. Type & Dimensions



(1): L	(1): W	(2): T	a	(Unit:mm)
1.0±0.05	0.5±0.05	0.5±0.05	0.15 to 0.35	0.3 min.

4. Rated value

(3) Temperature Characteristics (Public Code: EIA)	(4) Rated Voltage	(5) Nominal Capacitance	(6) Capacitance Tolerance	Specifications and Test Methods (Operating Temp. Range)
Temp. coeff. ±30 ppm/°C at -55~125°C	Temp. Range 25 to 125 °C (25 to 125 °C)	DC 50 V	1 pF ±0.1 pF	-55 to 125 °C

5.Package

mark	(8) Packaging	Packaging Unit
D	PAPER WSP2	10000 pcs./Reel
W	PAPER WSP1	20000 pcs./Reel
J	PAPER WSP3	50000 pcs./Reel

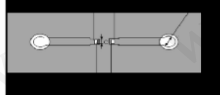
Table A

Char	Capacitance Change from Value at Reference Temp. (%)							
	-55°C				+55°C			
	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.
1C	0.54	-0.75	-	-	0.53	-0.14	0.75	-0.09
2C	0.85	-0.45	-	-	0.40	-0.77	0.33	-0.18
3C	1.32	-0.88	-	-	0.82	-0.54	0.55	-0.34
4C	2.66	-1.88	-	-	1.54	-1.13	0.7	-0.75
5C	0.58	-0.74	0.40	-0.17	-	-	0.75	-0.11
6C	0.87	-0.48	0.50	-0.33	-	-	0.38	-0.73

Substrate Bending test

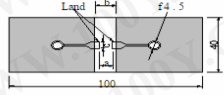
Test substrate
 Material: Copper-clad laminated sheets for PCBs
 (Glass fabric base, epoxy resin)
 Thickness: 0.8mm
 Solder resist
 (Coat with heat resistant resin for solder)

for GJM02



Copper foil thickness : 0.018mm

for GJM03/15



Copper foil thickness : 0.035mm
 (in mm)

Type	Dimension (mm)		
	a	b	c
GJM02	0.2	0.56	0.23
GJM03	0.3	0.9	0.3
GJM15	0.4	1.5	0.5

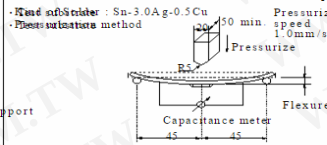


Fig. 2

(in mm)

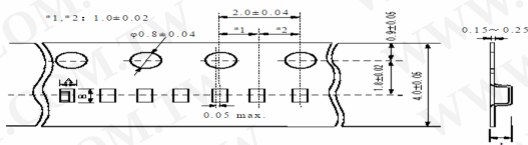
1. Tape Carrier Packaging(Packaging Code:D/E/W/L/J/F)

1.1 Minimum Quantity(pcs./reel)

Type	φ180mm reel		φ330mm reel	
	Paper Tape Code:D/E	Plastic Tape Code:W	Paper Tape Code:L	Plastic Tape Code:F
GJM02	15000(WSP2)	30000(WSP1)	10000(WSP1)	50000(WSP3)
GJM03	10000(WSP2)	20000(WSP1)	10000(WSP1)	50000(WSP3)
GJM15	10000(WSP2)	20000(WSP1)	10000(WSP1)	50000(WSP3)

1.2 Dimensions of Tape

(1)GJM02 ~Plastic Tape W4P1 CODE:L>



Type	Dimensions(Chip)			A *3	B *3	t
	L	W	T			
GJM02	0.4±0.02	0.2±0.02	0.2±0.02	0.23	0.43	0.5 max.

(2)GJM03/GJM15 ~Paper Tape WSP2 CODE:D/E/J/F>

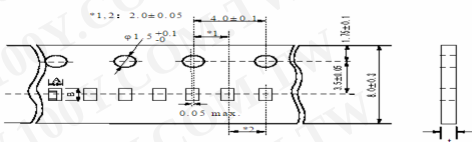


Fig.1 Package Chips

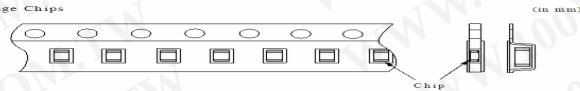


Fig.2 Dimensions of Reel

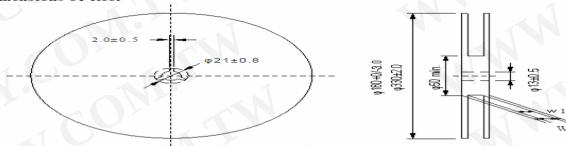
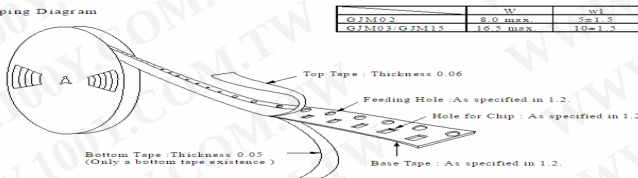


Fig.3 Taping Diagram



	W	w1
GJM02	8.0 max	5±1.5
GJM03, GJM15	16.5 max	10±1.5