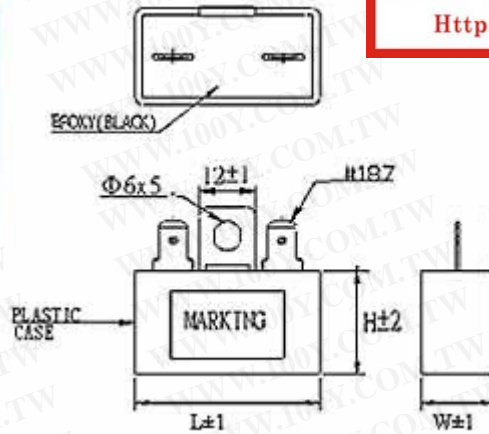


勝特力材料 886-3-5753170  
 勝特力电子(上海) 86-21-54151736  
 勝特力电子(深圳) 86-755-83298787  
[Http://www.100y.com.tw](http://www.100y.com.tw)



BT Type



容量範圍：0.5uF ~ 100uF

電壓範圍：600VAC Max

溫度範圍：-25~+70 °C / -25~+85 °C / -25~+105 °C

適用產品：馬達，電風扇，不斷電系統，電動工具 ...

容量 (uF)	250VAC	400VAC
	尺寸 (L x W x H / mm)	尺寸 (L x W x H / mm)
0.5	32x11x20	32x11x20
0.75	32x11x20	32x13x22
1.0	32x11x20	32x13x22
~~~~~		
8.5	38x20x29	59x23x35
9.0	38x20x29	50x30x40
9.5	38x20x29	50x30x40
10.0	48x17x27	57.5x25x39
11.0	48x17x27	59x30x40
12.0	48x19x29	59x30x40
13.0	48x19x29	59x30x40
14.0	49x21x31.5	59x30x40
15.0	49x21x31.5	59x30x40
16.0	50x22x35	
17.0	50x22x35	
18.0	50x22x35	
19.0	50x22x35	
20.0	59x23x35	
22.0	50x22x35	
24.0	50x22x35	
26.0	50x25x36	
28.0	50x30x40	
30.0	50x30x40	

## NEW PRODUCT

### < TYPE P2 THE SAFETY MECHANISM CAPACITORS >

#### DESCRIPTION:

If an abnormality occurs with an infinite number of capacitors connected in parallel with the metallized film, some electrodes will function as a fuse to partially disconnect the film from the body, thus maintaining the normal function of the capacitor.

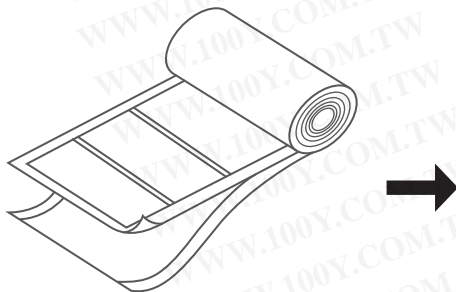
Should a dielectric breakdown occur in a capacitor due to an overvoltage, abnormal heat or natural end of product life, the capacitor may emit smoke or catch fire. To prevent such an occurrence, the TYPE P2 CAPACITOR is equipped with the SAFETY DEVICE which should disconnect it from the circuit. To reach a safety and high quality environments.



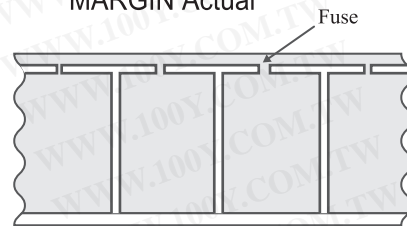
UL CUR-recognized File No. E136210(N)



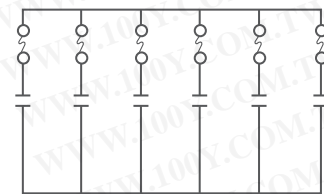
#### CONSTRUCTURE:



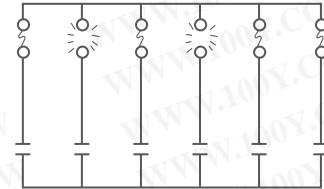
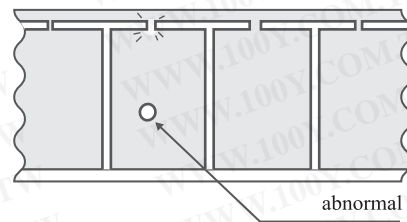
MARGIN Actual



Circuit



Fuse will blow and cut the connection



#### CP Series

#### SPECIFICATION:

Working Voltage Range (VAC)	220V	250V	330V	400V	450V
Capacitance Range (µF)	0.5~25 µF	0.5~25 µF	0.2~25 µF	0.2~25 µF	0.2~25 µF
Capacitance Tolerance (%)	±5, ±10, ±20 +10 -5 Standard	±5, ±10, ±20 +10 -5 Standard	±5, ±10, ±20 +10 -5 Standard	±5, ±10, ±20 +10 -5 Standard	±5, ±10, ±20 +10 -5 Standard
Temperature Range (°C)	-25~+70°C/85°C Standard	-25~+70°C/85°C Standard	-25~+70°C/85°C Standard	-25~+70°C/85°C Standard	-25~+70°C/85°C Standard

# SPECIFICATION

Capacitance Range — 0.1~100  $\mu$ F

Tolerance Range —  $\pm 5\%$  (Standard),  $\pm 5\% \sim \pm 20\%$

Voltage Range — 150~500 VAC (Standard)

Temperature Range —  $-25 \sim +60^{\circ}\text{C}$  (Standard),  $-25 \sim +70^{\circ}\text{C}$ ,  $-40 \sim +85^{\circ}\text{C}$ ,  $-25 \sim +100^{\circ}\text{C}$



RU or Rup Type



OV or OVP Type



RB Type



RBC or RBCF



BL Type



BM Type



RE Type



RP or RPF Type



BTL Type



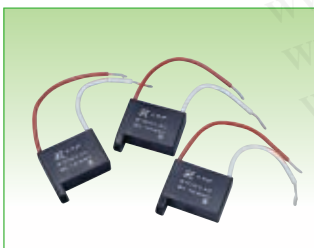
BT Type



BTM Type



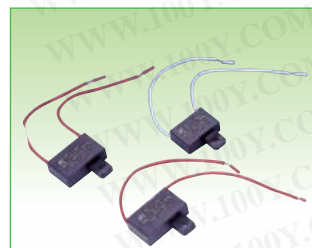
BTU Type



BST Type



BTR Type



BH Type



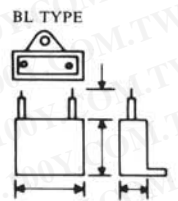
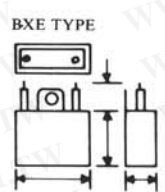
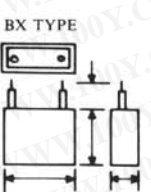
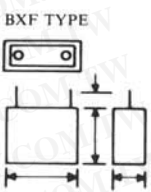
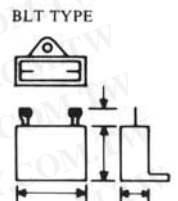
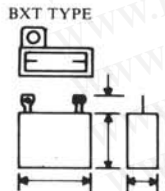
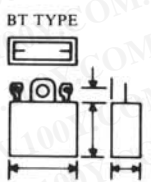
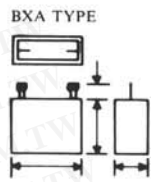
TR Type

• Please contact us for information of other models.

Rated working voltage range : 180, 220, 250, 300, 400, 450, 500, 660, 800, 1000. WVAC  
 Capacitance tolerance : -5% +10% (U), +/-10% (K), +/-5% (J)  
 Operating frequency : 50/60 Hz.  
 Operating temperature range : 25°C ~ +70°C  
 Voltage withstand : (A) Terminal to terminal:  
 Rated voltage by 1.75 for one minute.  
 (B) Terminals to case:  
 Rated Voltage by 2+1000v for one minute.

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[Http://www.100y.com.tw](http://www.100y.com.tw)

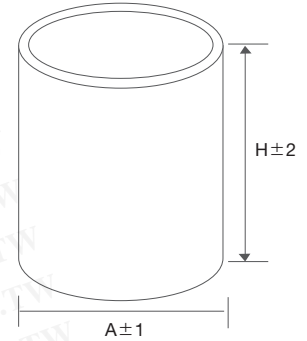
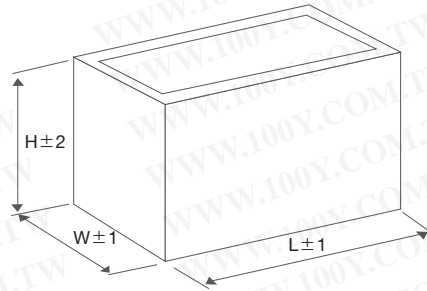
Insulation resistance : (A) Terminal to terminal  $\geq 1000M\Omega$   
 (B) Terminal to case  $\geq 2000M\Omega$   
 Dissipation factor (tan  $\theta$ ) : 0.3% max. for MPE or 0.1% max. for MPP.



CAPACITR ( $\mu F$ )	SIZE (mm)											
	200V AC			250V AC			300V AC			350V-400V AC		
	L	W	H	L	W	H	L	W	H	L	W	H
0.5	32	11	19	32	11	19	32	11	19	32	13	23
1	32	12.5	21.5	32	12.5	21.5	32	12.5	12.5	32	13	23
1.5	32	12.5	21.5	32	12.5	21.5	32	14	24	32	13	23
2	32	12.5	21.5	32	13	23	32	14	25	37	15	24
2.5	32	12.5	21.5	32	13	23	37	15	24	38	17	26
3	32	12.5	21.5	32	13	23	37	15	24	38	19	29
3.5	32	12.5	21.5	37	15	24	37	15	24	39	22	32
4	37	15	24	37	15	24	38	17	27	45	23	34
4.5	37	15	24	38	17	27	38	19	29	45	23	34
5	38	17	27	38	17	27	38	19	29	49	20	30
5.5	38	17	27	38	19	29	39	22	32	51	22	32
6	38	17	27	38	19	29	39	22	32	51	22	32
7	38	19	29	38	19	29	50	20	30	51	22	32
8	38	19	29	39	22	32	50	20	30	51	25	36
9	39	22	32	39	22	32	51	22	32	51	25	36
10	39	22	32	51	22	32	51	22	32	51	30	40
12	50	20	30	51	22	32	51	25	36	51	30	40
14	51	22	32	51	25	36	51	25	36	51	30	40
16	51	25	36	51	25	36	51	30	40	51	30	40
18	51	25	36	51	30	40	58	35	40	58	35	40
20	51	25	36	51	30	40	58	35	40	58	35	40

Diagram of Dimension(unit=mm)

- VDE Class - GPFNT/GPFPU  
 Capacitance Range - 0.5uF~40uF  
 Voltage Range - 150 Vac~450 Vac  
 Temperature Range - -40~+85°C  
 Tolerance(%) -  $\pm 5$ ,  $\pm 10$ ,  $\pm 10/-0$ ,  
 $+10/-5$  (standard)  
 Type Range - Box Types (BM, BT, BL...)  
 Cylinder Type (RE, REF...)



VDE Licence No. 116769  
 CB Certificate No. DE1-34021 DE1-32461



**Case Dimension of Standard 400 and 450 Voltage Products**

Catalog Number	Capacitance (uF)	Box Type Case Dimension (mm) L × W × H	Cylinder Case Dimension (mm) A × H
MK504 * * *	0.5	37 × 13 × 22	25 × 40
MK754 * * *	0.8	37 × 13 × 22	25 × 40
MK105 * * *	1.0	37 × 13 × 22.5	25 × 40
MK125 * * *	1.2	37 × 15 × 24	25 × 40
MK155 * * *	1.5	38 × 16 × 25	25 × 40
MK205 * * *	2.0	38 × 19 × 29	30 × 42
MK255 * * *	2.5	38 × 19 × 29	30 × 62
MK305 * * *	3.0	48 × 19 × 29	30 × 62
MK355 * * *	3.5	49 × 21 × 31.5	30 × 62
MK405 * * *	4.0	50 × 22 × 35	35 × 60
MK455 * * *	4.5	59 × 23 × 35	35 × 60
MK505 * * *	5.0	59 × 23 × 35	35 × 60
MK605 * * *	6.0	59 × 23 × 35	35 × 60
MK705 * * *	7.0	50 × 30 × 40	40 × 62
MK805 * * *	8.0	59 × 30 × 40	40 × 62
MK905 * * *	9.0	59 × 30 × 40	40 × 62
MK106 * * *	10.0	59 × 30 × 40	40 × 62
MK126 * * *	12.0	59 × 40 × 40	40 × 62
MK146 * * *	14.0	59 × 40 × 40	45 × 62
MK166 * * *	16.0	59 × 40 × 40	45 × 62
MK186 * * *	18.0	59 × 40 × 40	45 × 62
MK206 * * *	20.0	59 × 40 × 40	45 × 88

• Please contact us for details of sizes

## APPROVED BY CUR & UL

CF series is the self-healing flat style capacitor, winding with metallized film, flame retardant plastic case and epoxy resin end seal.

- Voltage range - 100Vac to 450Vac standard  
 (max. 600Vac)
- Capacitance range - 0.5 $\mu$ F to 30 $\mu$ F standard  
 (free capacitance)
- Temperature range - -25°C to +70°C, -25°C to +85°C, Max 105°C
- Tolerance(%) -  $\pm 5$ ,  $\pm 10$ ,  $\pm 20$ , +10/-5  
 (standard)
- Type range - standard types  
 (BM, BT, BL...)

CUR-certified file no. E153459(N)

UL-approved file no. E153459(N)



Catalog		100~250 WV.AC			300 WV.AC			350 WV.AC			400 WV.AC			450 WV.AC		
Number	$\mu$ F	Lx W x H			Lx W x H			Lx W x H			Lx W x H			Lx W x H		
CF504*****	0.5	32	11	20	32	11	20	32	11	20	32	11	20	32	11	20
CF754*****	0.75	32	11	20	32	11	20	32	11	20	32	13	22	32	13	22
CF105*****	1.0	32	11	20	32	11	20	32	11	20	32	13	22	37	13	22
CF855*****	8.5	38	20	29	48	19	29	48	19	29	59	23	35	50	30	40
CF905*****	9.0	38	20	29	59	21	31.5	49	21	31.5	50	30	40	50	30	40
CF955*****	9.5	38	20	29	50	22	35	50	22	35	50	30	40	59	30	40
CF106*****	10.0	48	17	27	50	22	35	50	22	35	57.5	25	39	59	30	40
CF116*****	11.0	48	18	27	50	22	35	50	22	35	59	30	40	59	30	40
CF126*****	12.0	48	19	29	50	22	35	50	22	35	59	30	40	59	40	40
CF136*****	13.0	48	19	29	50	30	30	50	30	30	59	30	40	59	40	40
CF146*****	14.0	49	21	31.5	59	23	35	59	23	35	59	40	40			
CF156*****	15.0	49	21	31.5	59	23	35	59	23	35	59	40	40			
CF166*****	10.0	50	22	35	59	23	35	59	23	35						
CF176*****	17.0	50	22	35	57.5	25	39	59	30	40						
CF186*****	18.0	50	22	35	57.5	25	39	59	40	40						
CF196*****	19.0	50	22	35	57.5	25	39	59	40	40						
CF206*****	20.0	59	23	35	57.5	25	39	59	40	40						
CF216*****	21.0	59	23	35	59	30	40									
CF226*****	22.0	59	23	35	59	30	40									
CF236*****	23.0	59	23	35	59	30	40									
CF246*****	24.0	59	23	35	59	30	40									
CF256*****	25.0	59	23	35	59	30	40									
CF266*****	26.0	50	25	36												
CF276*****	27.0	50	25	36												
CF286*****	10.0	50	30	40												
CF296*****	29.0	50	30	40												
CF306*****	30.0	50	30	40												

- The sizes of TR-WRAP FILL TYPE are excluded
- Sizes might be altered without notice.

勝特力材料 886-3-5753170  
 勝特力电子(上海) 86-21-54151736  
 勝特力电子(深圳) 86-755-83298787  
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## EN60252-1 Standard



APPROVED BY VDE, IMQ



EN 60252-1

**CB**

IEC 252.93

Class	Series	Capacitance Range	Voltage Range	Model Type	Licence No.
VDE HSFPU	MK	1uF~40uF	150Vac~300Vac	BM, BT, BL, RE...	VDE:104897 CB:DE 1-6355
VDE HSFPU	MK	1uF~5uF	350Vac~400Vac	BM, BT, BL, RE...	VDE:104896 CB:DE 1-6354
VDE GPFNT	MK	0.5uF~40uF	150Vac~450Vac	BM, BT, BL, RE...	VDE:116769 CB:DE 1-34021
VDE GPFPU	MK	0.5uF~40uF	150Vac~450Vac	BM, BT, BL, RE...	VDE:116769 CB:DE 1-32461
VDE HPFMS	MK	0.5uF~5uF	400Vac	BM, BT, BL, RE...	VDE:40008138
VDE HMFNT	MKR	1.5uF, 1.7uF, 2uF	400Vac	BM, BT, BL, RE...	VDE:94738
VDE HSFPU	MK	3uF~50uF	370Vac~450Vac	P2 Protection	VDE:94696
VDE GPFNT	MK	3uF~70uF	150Vac~450Vac	P2 Protection	VDE:
VDE HSFPU	MKP	1+1uF~12+12uF	150Vac~300Vac	BM, BT, BL, RE...	VDE:104893 CB:DE1-6352
VDE GPFPU	CP	0.5uF~10uF	150Vac~450Vac	BM, BT, BL, RE... (P2 Protection)	VDE:40001022 CB:DE1-34259
IMQ GPFNT	MK	0.5uF~10uF	350Vac~400Vac	BM, BT, BL, RE...	IMQ V4750
IMQ GPFPU	MK	0.5uF~10uF	450Vac	BM, BT, BL, RE...	IMQ V4750
IMQ HSFPU	MK	1uF~5uF	350Vac~400Vac	BM, BT, BL, RE...	IMQ V2791
IMQ HMFNT	MKR	1.5uF~3uF	400Vac	BM, BT, BL, RE...	IMQ V4721 CB:IT -1942

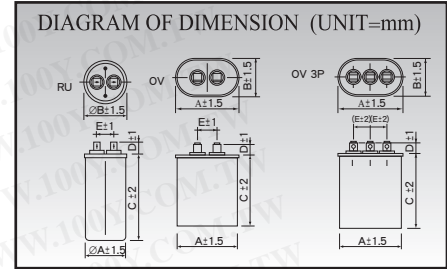
• Please contact us for details

**APPROVED BY UL & CUR**

Model RUP and OVP are metallized polypropylene film Capacitor with an Aluminum can and designed with the safety mechanism device, offering long life and reliable service.



- Voltage range - 600Vac.Max.
- Capacitance range - 3μF to 70μF standard
- Temperature range - -25°C to 70°C~90°C available
- Tolerance (%) - ±5, ±10, ±20, +10-5(Standard)
- Model - RUP, OVP and dual capacitors in one can
- Terminal - 2tine 1/4" quick-connect lug terminals are standard, 4 blades are available
- Fault Current - 10,000AFC
- CUR-recognized file no. E136210(N)
- UL-approved file no. E136210(N)



**CASE DIMENSION OF STANDARD 370 VOLTAGE PRODUCT**

Capacitance (μF)	RU(A x C)	Dimension OV(A x B x C)	Capacitance (μF)	Dimension OV3P(A x B x C)
3.0	40 x 50	55 x 35 x 40	15+3	54 x 34 x 75
4.0	40 x 50	55 x 35 x 40	15+4	54 x 34 x 75
5.0	40 x 50	55 x 35 x 40	15+5	54 x 34 x 75
6.0	40 x 50	55 x 35 x 40	15+7.5	54 x 34 x 75
7.0	40 x 50	55 x 35 x 55	15+10	54 x 34 x 75
7.5	40 x 50	55 x 35 x 55	15+12.5	64 x 34 x 75
8.0	40 x 50	55 x 35 x 55	17.5+4	54 x 34 x 75
9.0	40 x 50	55 x 35 x 55	17.5+5	54 x 34 x 75
10.0	40 x 50	55 x 35 x 55	20+3	54 x 34 x 75
12.0	40 x 50	55 x 35 x 65	20+4	54 x 34 x 75
12.5	40 x 50	55 x 35 x 65	20+5	54 x 34 x 75
15.0	40 x 50	55 x 35 x 65	20+10	64 x 37 x 75
17.0	40 x 60	55 x 35 x 75	20+12.5	64 x 37 x 75
17.5	40 x 60	55 x 35 x 75	20+15	64 x 37 x 75
20.0	40 x 60	55 x 35 x 70	25+3	64 x 37 x 75
22.5	40 x 70	55 x 35 x 75	25+4	64 x 37 x 75
25.0	40 x 70	55 x 35 x 75	25+5	64 x 37 x 75
27.5	40 x 70	64 x 37 x 65	25+7.5	64 x 37 x 75
30.0	40 x 70	64 x 37 x 65	25+10	64 x 37 x 75
35.0	40 x 90	64 x 37 x 75	25+12.5	64 x 37 x 75
40.0	40 x 90	64 x 37 x 75	30+3	64 x 37 x 95
45.0	40 x 90	64 x 37 x 95	30+4	64 x 37 x 95
50.0	40 x 120	64 x 37 x 95	30+5	64 x 37 x 95
55.0	45 x 120	64 x 37 x 95	30+7.5	64 x 37 x 95
60.0	45 x 120	64 x 37 x 95	30+10	64 x 37 x 95
65.0	51 x 120	64 x 37 x 95	30+12.5	64 x 37 x 95
70.0	51 x 120	64 x 37 x 120	35+3	64 x 37 x 95
75.0	51 x 120	64 x 37 x 120	35+4	64 x 37 x 95
80.0	56 x 120	71 x 46 x 120	35+5	64 x 37 x 95
			35+7.5	64 x 37 x 95
			35+10	64 x 37 x 95
			35+12.5	64 x 37 x 95

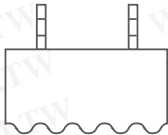
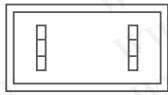
• Sizes might be altered without notice.



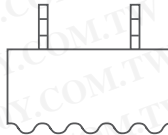
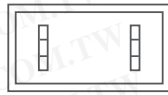


## Terminal Code (Plastic Case with Terminals)

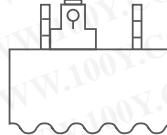
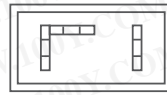
AMP#187-1



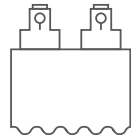
AMP#250-1



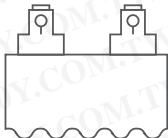
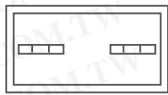
AMP#250-2A



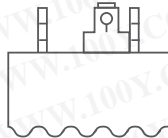
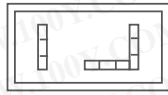
AMP#187-1



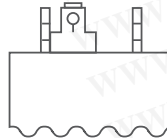
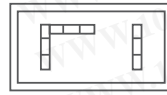
AMP#187-2



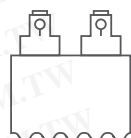
AMP#250-2



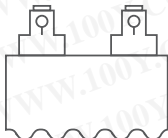
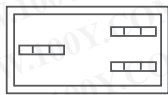
AMP#250-2B



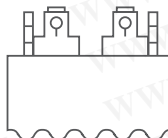
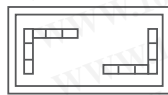
AMP#187A



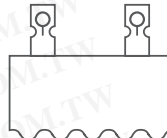
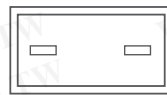
AMP#187-3



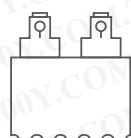
AMP#250-3



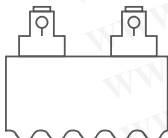
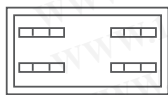
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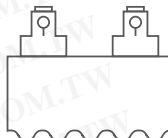
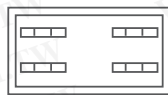
AMP#250-1



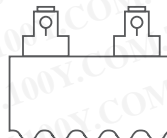
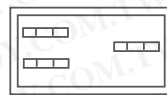
AMP#187-4



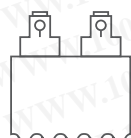
AMP#250-4



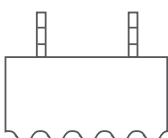
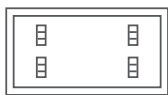
AMP#187-6



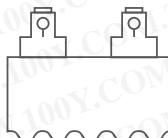
AMP#250A



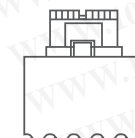
AMP#187-5



AMP#250-5



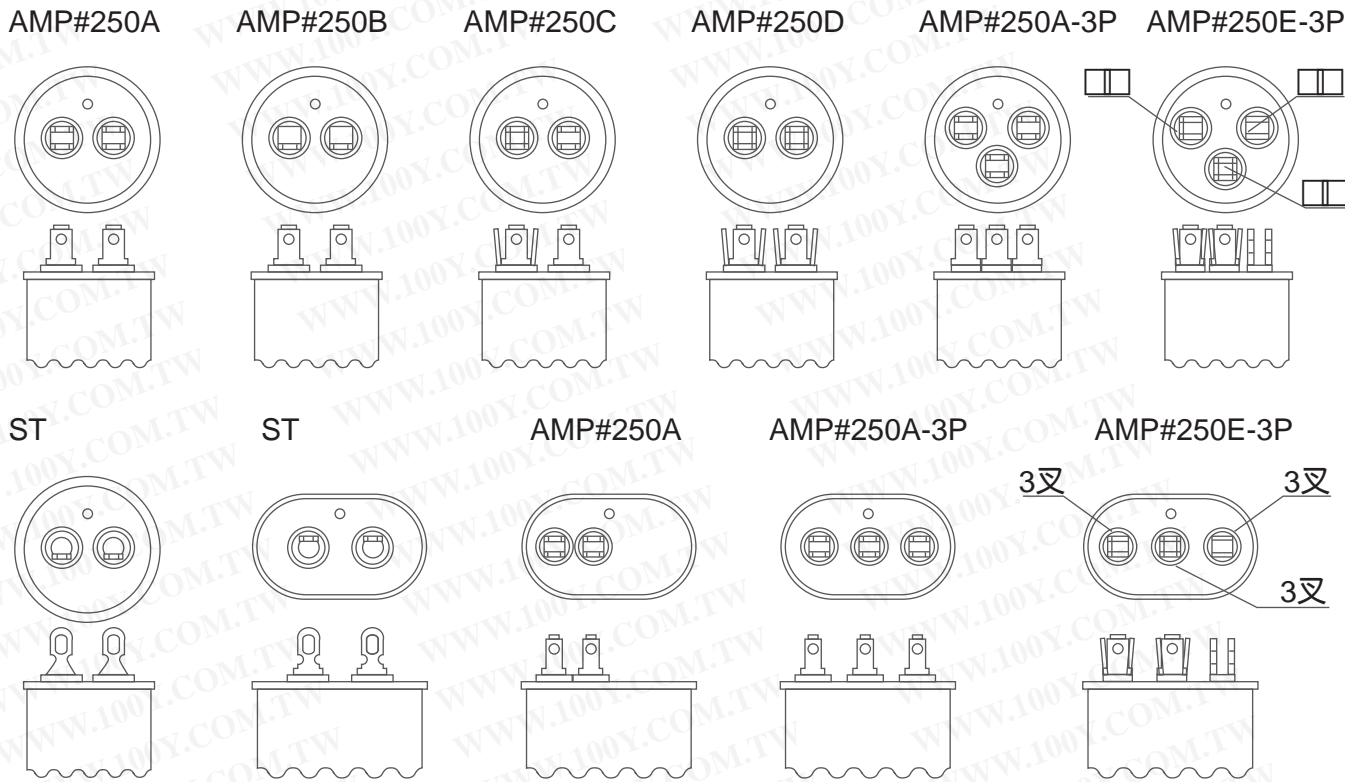
Quick Connector



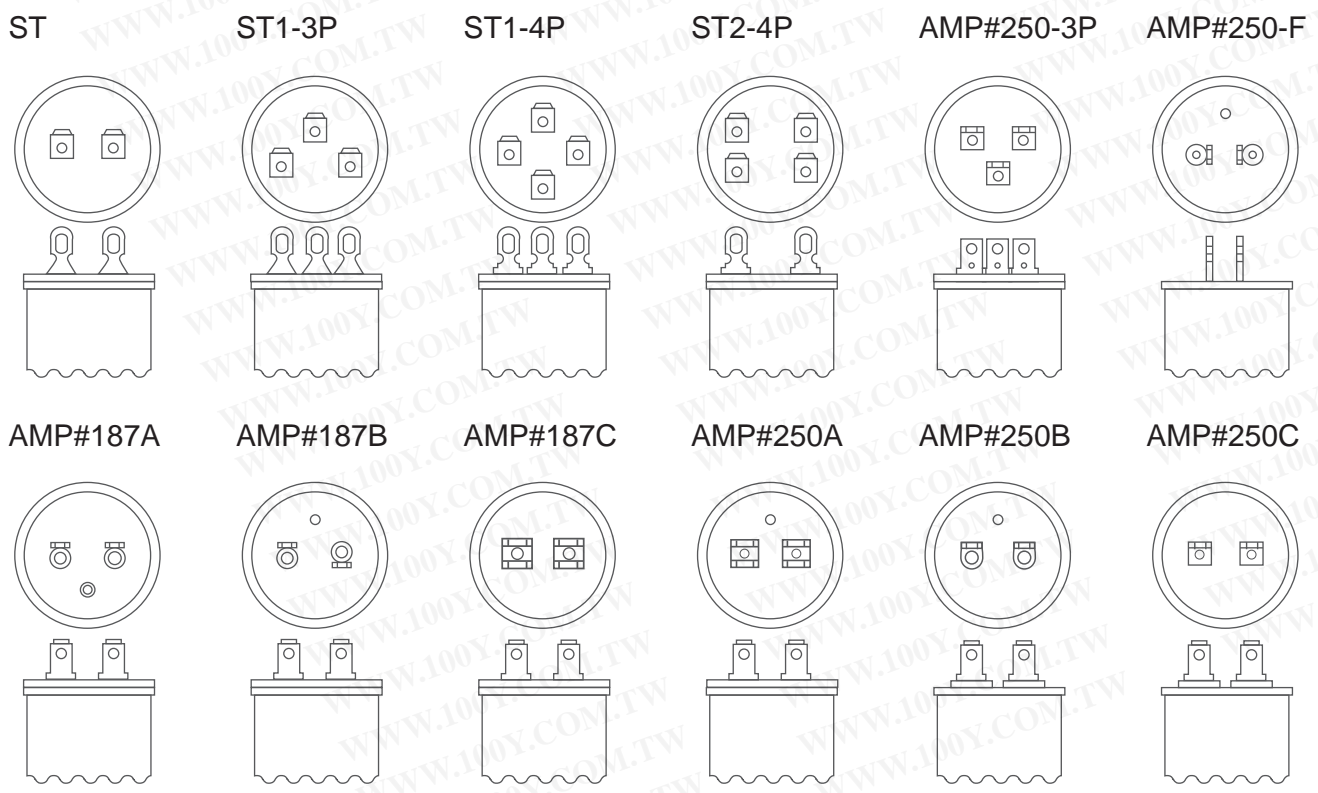
**\* Remarks:**

- Terminals:  
#250 (width 6.35mm)
- Terminals:  
#187 (width 4.75mm)
- Terminals:  
ST (width 4.0mm)

## Terminal Code (Aluminium Cover with Terminals)



## Terminal Code (Bakelite Cover with Terminals)



# Capacitance Change & Dissipation Factor VS. Temperature

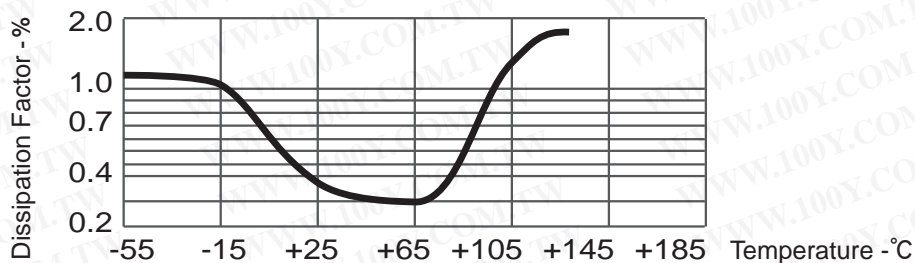
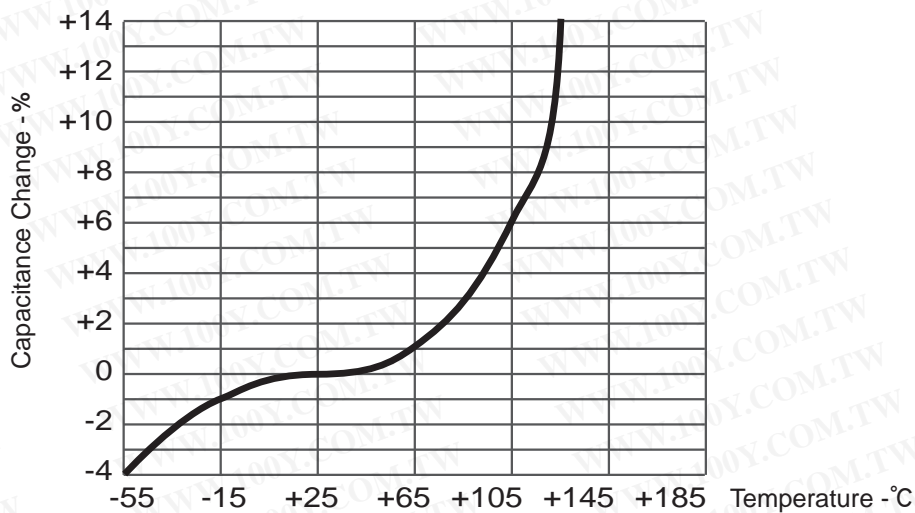


FIGURE 1 (POLYESTER FILM)

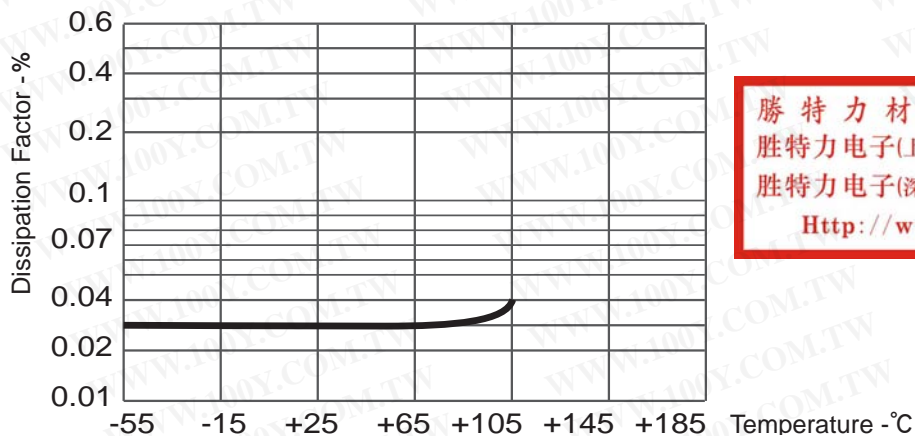
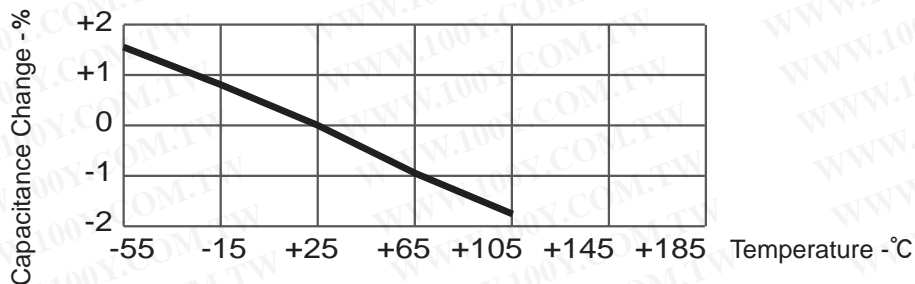
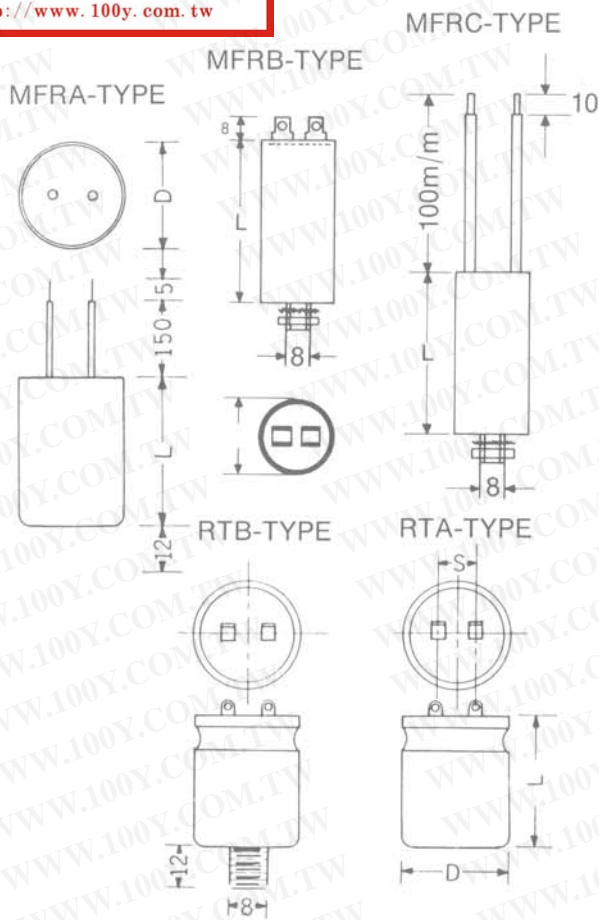


FIGURE 2 (POLYPROPYLENE FILM)

勝特力材料 886-3-5753170  
 勝特力电子(上海) 86-21-54151736  
 勝特力电子(深圳) 86-755-83298787  
[Http://www.100y.com.tw](http://www.100y.com.tw)



1. MFRA-TYPE, ABS, CASE

RATED VOLTAGE V.A.C.	CAPCITY ( $\mu$ F)	Size (mm)		
		D	L	S
220 - 250	2, 2.5, 3, 4.5	25	40	
220 - 250	6, 8, 9	25	60	
220 - 250	10, 12, 14, 15	30	60	
220 - 250	16, 18, 20	35	60	
220 - 250	22, 25	40	60	
220 - 250	30, 32, 35	45	60	
300 - 350	2, 3, 3.5, 4	25	60	
300 - 350	5, 6, 6.5, 7, 8	30	60	
300 - 350	9, 10, 12	35	60	
300 - 350	14, 15, 16	40	60	
300 - 350	18, 19, 20, 22	45	60	
400 - 440	1, 1.5, 2, 2.5	25	60	
400 - 440	3, 3.5, 4, 4.5, 5	30	60	
400 - 440	6, 6.5, 7, 7.5	35	60	
400 - 440	8, 9, 10	40	60	
400 - 440	11, 12	45	60	

2. RTA,B TYPE, RC-TYPE, ALUM, CASE

RATED VOLTAGE V.A.C.	CAPCITY ( $\mu$ F)	Size (mm)		
		D	L	S
220 - 250	1, 1.2, 1.5	22	44	7.5
220 - 250	2, 2.5, 3	22	44	7.5
220 - 250	3.5, 4, 4.5	22	44	7.5
220 - 250	5, 6, 6.5	25	44	10
220 - 250	7, 8, 9	25	62	10
220 - 250	7, 8, 9	30	44	10
220 - 250	10, 11, 12	30	44	10
220 - 250	12.5, 13, 15, 16	30	62	10
220 - 250	14, 15, 16	35	44	12
220 - 250	16, 17, 18, 20	35	62	12
220 - 250	18, 19, 20	40	62	14
220 - 250	25, 30, 32	40	62	14
220 - 250	35, 40, 45	45	62	16
220 - 250	45, 50, 55, 60	45	115	16

300 - 350	1, 1.2, 1.5	22	44	7.5
300 - 350	2, 2.5	25	44	10
300 - 350	3, 3.5	25	62	10
300 - 350	4, 4.5, 5	35	44	10
300 - 350	6, 6.5	35	62	10
300 - 350	7, 8, 9, 10	35	62	12
300 - 350	11, 12	40	62	14
300 - 350	13, 14, 15	45	62	16
300 - 350	16, 17, 18	40	75	14
300 - 350	19, 20, 22	40	102	14
300 - 350	25, 30, 32	40	115	14
300 - 350	35, 40, 45	51	115	17.5
300 - 350	47, 50, 55	56	125	18.5

400 - 440	1, 1.2, 1.5	22	44	7.5
400 - 440	2, 2.5	25	44	10
400 - 440	2.8, 3	25	62	10
400 - 440	3.5, 4	30	62	10
400 - 440	4.5, 5	35	62	12
400 - 440	6, 6.5	40	62	14
400 - 440	7, 8	45	62	16
400 - 440	9, 10	35	115	12
400 - 440	11, 12	40	115	14
400 - 440	13, 14, 15	45	115	16
400 - 440	16, 17	45	115	16
400 - 440	18, 20, 22	51	115	17.5
400 - 440	25, 26, 27	51	150	17.5
400 - 440	30, 35, 40	56	150	18.5
400 - 440	45, 50	56	174	18.5