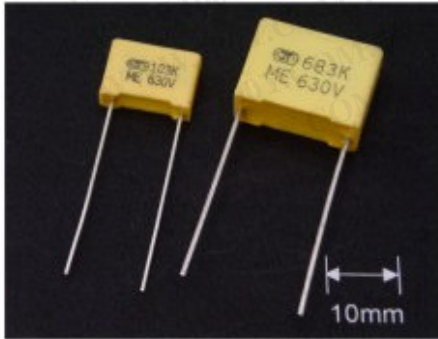




METALLIZED POLYESTER FILM CAPACITOR

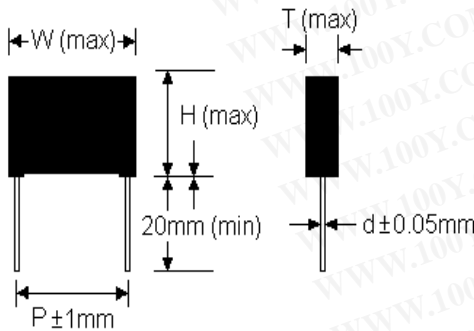
MEC TYPE: PLASTIC CASE, RADIAL LEADS

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)



INTRODUCTION

- 1.HIGHT STABILITY.
2. NON-INDUCTIVE.
- 3.MINIATURE SIZE.
- 4.SELF-HEALING CHARACTERISTICS.
- 5.PLASTIC CASE, EPOXY RESIN FILLED, BOX MADE OF SOLVENT RESISTANT MATERIAL.
- 6.EXCELLENT FOR USED IN COUPLING, BY-PASS, R.F.FILTERING, AND SOLID-STATE APPLICATION WHERE SIZE IS CRITICAL



SPECIFICATION:

- 1.OPERATING TEMPERATURE : -40°C ~ + 85°C
- 2.CAPACITANCE RANGE : 0.01~6.8uF
- 3.CAPACITANCE TOLERANCE : ±1%(F), ±2%(G), ±5%(J), ±10%(K)
- 4.RATED VOLTAGE: 100VDC, 250VDC, 400VDC, 630VDC.
- 5.DISSIPATION FACTOR :1.0%MAX AT 1KHz, 25°C
- 6.INSULATION RESISTANCE :>9000MΩ (C≤0.33uF)
>3000MΩ / uF (C>0.33uF) AT 25°

SYMBOL	uF	100VDC	250VDC	400VDC	630VDC
103	0.01				C1
153	0.015			C1	C1
223	0.022			C1	C2
333	0.033		C1	C2	D1
473	0.047		C1	C2	D2
683	0.068		C1	D1	D3
104	0.1	C1	C2	D2	D3
154	0.15	C1	C3	D3	E2
224	0.22	C2	D1	E1	E3
334	0.33	D1	D2	E2	E4
474	0.47	D1	D2	E3	F1
684	0.68	D2	E1	E4	
105	1.0	D3	E2	F1	
155	1.5	E2	E4		
225	2.2	E3	F1		
335	3.3	E4	F2		
475	4.7	F1			
685	6.8	F2			

UNIT:mm

CASE CODE	W	H	T	S	d
B1	10.5	9.0	4.0	7.5	0.6
C1	13.0	9.0	4.0	10.0	0.6
C2	13.0	11.0	5.0	10.0	0.6
C3	13.0	12.0	6.0	10.0	0.6
D1	18.0	11.0	5.0	15.0	0.8
D2	18.0	12.0	6.0	15.0	0.8
D3	18.0	13.5	7.5	15.0	0.8
E1	26.5	15.0	6.0	20.5	0.8
E2	26.5	16.5	7.0	20.5	0.8
E3	26.5	17.0	8.5	20.5	0.8
E4	26.5	19.0	10.0	20.5	0.8
F1	32.0	20.0	11.0	26.5	0.8
F2	32.0	22.0	13.0	26.5	0.8



METALLIZED POLYESTER FILM CAPACITOR

MEC TYPE: Plastic Case, Radial Leads.

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)

This specification applied to capacitor for type MEC.
 (Plastic Case, Radial Leads, Metallized Polyester Film Capacitor)

- 1.HIGHT STABILITY.
2. NON-INDUCTIVE.
- 3.MINIATURE SIZE.
- 4.SELF-HEALING CHARACTERISTICS.
- 5.PLASTIC CASE, EPOXY RESIN FILLED, BOX MADE OF SOLVENT RESISTANT MATERIAL.
- 6.EXCELLENT FOR USED IN COUPLING, BY-PASS, R.F.FILTERING,
 AND SOLID-STATE APPLICATION WHERE SIZE IS CRITICAL
- 7.OPERATING TEMPERATURE : -40°C ~ + 85°C
- 8.CAPACITANCE RANGE : 0.01~6.8uF
- 9.CAPACITANCE TOLERANCE :±1%(F),±2%(G),±5%(J), ±10%(K)
- 10.RATED VOLTAGE: 100VDC, 250VDC, 400VDC, 630VDC.
- 11.DISSIPATION FACTOR :1.0%MAX AT 1KHZ, 25°C
- 12.INSULATION RESISTANCE :>9000MΩ (C≤0.33uF)
 >3000MΩ / uF (C>0.33uF) AT 25°

SPECIFICATIONS:

NO.	TEST ITEMS		PERFORMANCE	Test Conditions
1	Withstand Voltage	Between terminals	Shall be no abnormality	160* rate voltage for 60 sec or 200% * rated voltage for 1~5 sec Charge and Discharge Current shall not exceed 10 mA
		Between terminals& Enclosure		
2	Insulation Resistance		≥9,000MΩ (C≤0.33uF) ≥3,000MΩ /uF (C>0.33uF)	Charge time: 60 ± 5 sec Charge Voltage: R.V. or 100VDC Test Temp: at 25° C
3	Capacitance		Within Specified Tolerance	At 1 KHz ± 10% Measure R.V. : 1 Vrms or below Test Temp: at 25° C
4	Dissipation Factor		a.1.0 % (max) at 1kHz b.1.6 % (max) at 10kHz	Measure R.V. : 1 Vrms or below Test Temp: at 25° C
5	Terminal Strength	Pull Strength	No cutting or Slack of terminals	Wire diameter : 0.6 & 0.8mm Load: 1kg time: 10 sec
		Bending Strength		Wire diameter : 0.6 & 0.8mm Load: 0.5kg 90° * 4 time



METALLIZED POLYESTER FILM CAPACITOR

MEC TYPE: Plastic Case, Radial Leads.

NO.	TEST ITEMS		PERFORMANCE	Test Conditions
6	Vibration Proof		Element shall be not short-circuited nor opened, its connecting condition shall be no abnormality on appearance after testing.	Frequency range 10-55-10 hz Amplitude: 0.75mm, 2 hrs/direction for 3 directions.
7	Solderability		at least 95% of the circumference of the lead wire around load surface dipped into with new solder.	Solder temp: 235 ± 2° C Immersion time: 2 ± 0.2 sec
8	solder heat resistance	Appearance	Shall be no abnormality	Solder temp: 265 ± 5° C Immersion time: 10±0.5 sec
		Withstand Voltage	Shall be no abnormality Test: 200% * R.V. for 1~5 sec	
		Capacitance Variation	Within ± 2% of the value before test	
9	Cold Resistance	Capacitance Variation	Within + 5 / - 0% of the value before test	Temperature: -40 ± 2° C Duration: 2+1/-0 hrs
10	Dry Heat Resistance	Insulation Resistance	≥ 1500MΩ (C ≤ 0.33uF) ≥ 300MΩ / uF (C > 0.33uF)	Temperature: +85° C ± 2° C Duration: 2+1/-0 hrs
		Capacitance Variation	Within + 5/ - 0% of the value before test	
11	Temperature Cycle	Appearance	No remarkable abnormality on appearance	Total: 6 Cycle setp temp time 1 -40±2°C 30 ± 1 min 2 25±2°C 10~15min 3 85±2°C 30 ± 1 min 4 25±2°C 10~15min
		Withstand Voltage	No abnormality Test: 200% * R.V. for 1~5 sec.	

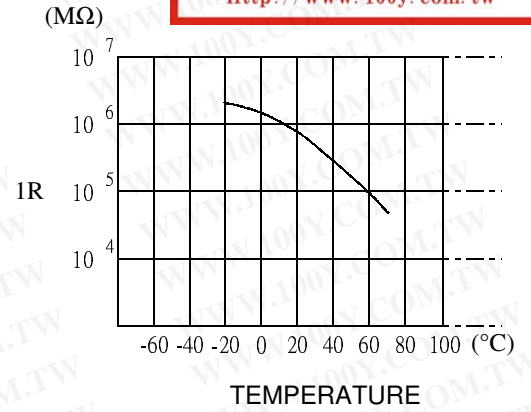
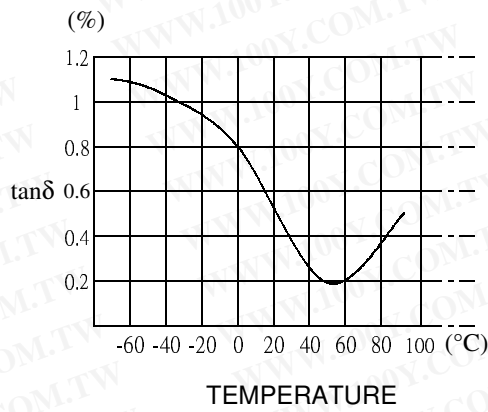
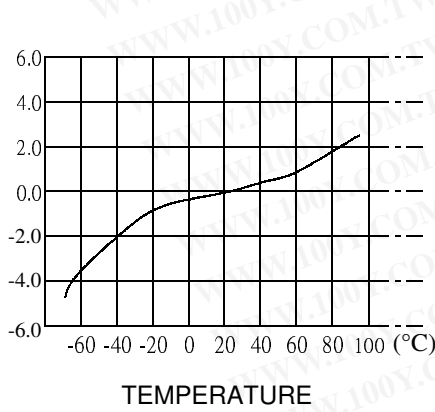


METALLIZED POLYESTER FILM CAPACITOR

MEC TYPE: PLASTIC CASE, RADIAL LEADS

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)

TEMPERATURE DEPENDENCE



FREQUENCY CHARACTERISTICS

