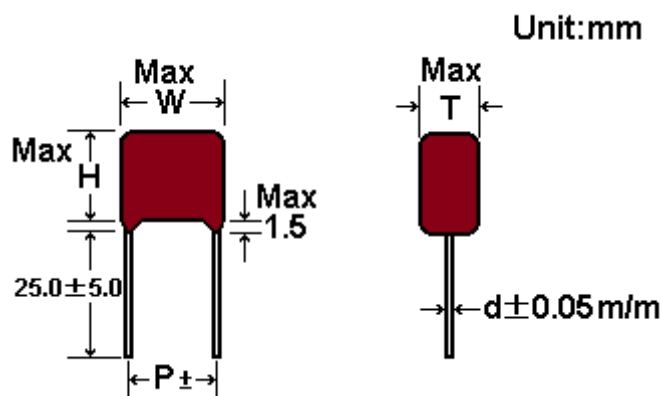




Metallized Polyester Film Capacitor.
TYPE : MER-系列P : 5mm



TYPE	MER系列	
DIMENSIONS	Unit	mm
CAPACITANCE	μF	0.001~1.0
Max. Voltage	VDC	63~400
Max. Insulation Resistance	IR	Cap ≤ 0.33μF IR > 9000 MOHM Cap > 0.33μF IR > 3000 MOHM × μF

FLYiNG



1.Part Name: Metallized Polyester Film Capacitor.

2.Type: MER (Radial Lead)

3.Working Voltage:63~400VDC

4.Capacitance Range: 0.001~1.0uF

5.Capacitance Range Tolerance: J($\pm 5\%$)、K($\pm 10\%$)

6.Temperature Range: - 40°C -- +85°C

7.Characteristics

ARTICLE	APPLICATION ITEM	CHARACTERSTICS	TEST METHOD
1.	Dielectric Strength (Between Terminals)	No damage	Add DC test voltage of 175% rated W.V for 1-5 Sec.
	Test voltage between terminals and case (Utc)		1.5kV 1Khz applied for 60s at 25 $\pm$ 5°C
2.	Insulation Resistance (Between Terminals)	Cap $\leq$ 0.33uF IR>9,000MOHM Cap>0.33uF IR>3,000MOHM $\times$ uF	Measured at 100VDC after 1 minute.
3.	Capacitance	Within the specification	Measured with frequency 1Khz and AC voltage less than 6V.
4.	Dissipation factor	$\tan \delta < 1.0\%$	
5.	Tensile strength of terminations	No damage	Loading force in bending the lead to 90° of the body. lead dial(mm) load(Kg) 0.8
6.	Vibration	No opening and short happened No damage in element junction and appearance.	10 - 55Hz 1.5 mm amplitude 3 direction 2H Per direction.
7.	Solder ability	Good tinning ,by eye measurement more than 3/4 of circumference is covered with new solder	Solder temp. 245°C $\pm$ 5°C dwell time 2 $\pm$ 0.5 Sec
8.	Cold	Capacitance change within + 0 -8% of 20°C	At - 40°C no Voltage applied

ARTICLE	APPLICATION ITEM	CHARACTERSTICS	TEST METHOD
9.	Heat	Capacitance change within + 5 -0% of 20°C	At + 85°C no Voltage applied
10.	Humidity life test	Appearance : No damage Dielectric strength : No damage IR : over 30% of article tanD < 1.1% cap. change within±8%	Temp . and humidity 40°C 90 - 95% R.H.add W.V. for 1,000H then keep 16H under room temp.
11.	Heat life test	Appearance : no damage IR : over 30% of article Tan D < 1.1% cap. change : within ±5% of that test.	Add 140% of W.V. 85°C in chamber for 5,000H then keep under standard condition 2H.
12.	Epoxy resin filled	Epoxy resin can not to overflow the bottom of plastic case.	By vernier measurement

8. MARKING

a. w.v.

b. Capacitance

c. Capacitance tolerance

d. Trading mark



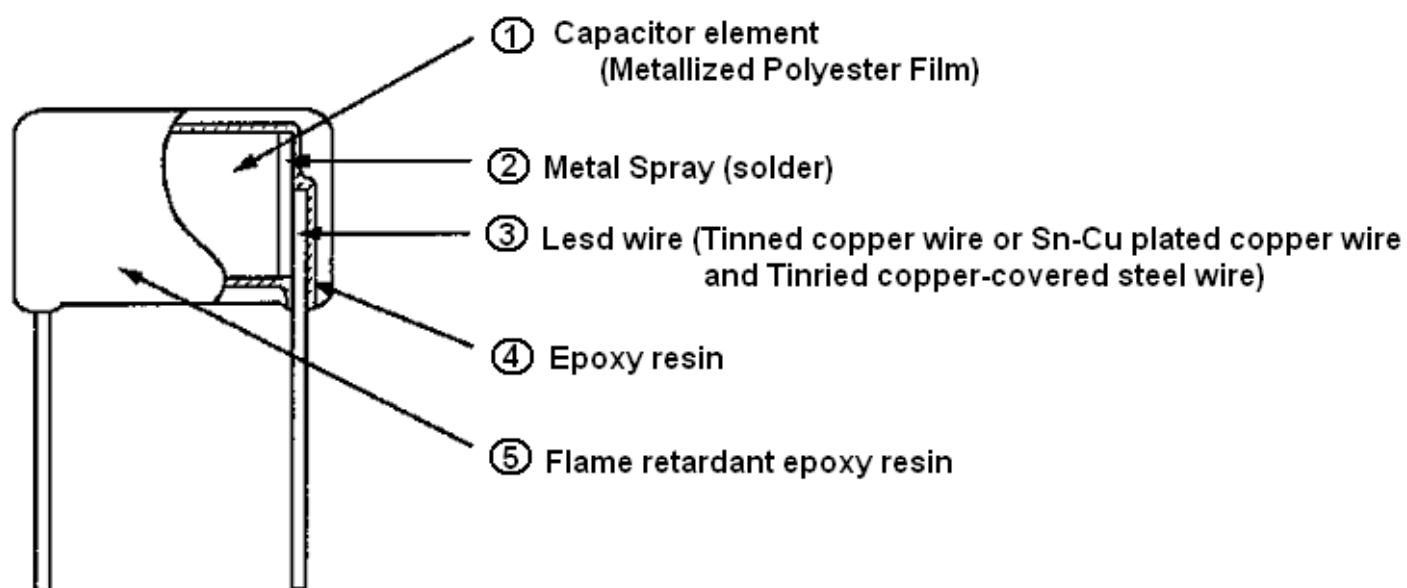
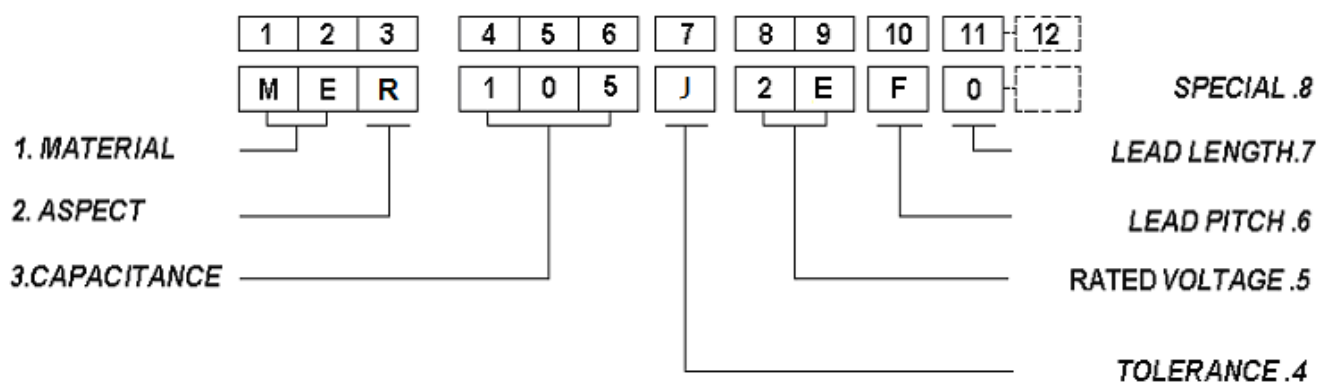
9. Terminal & Dimension

[illegible]



10. (AID) PART NO.

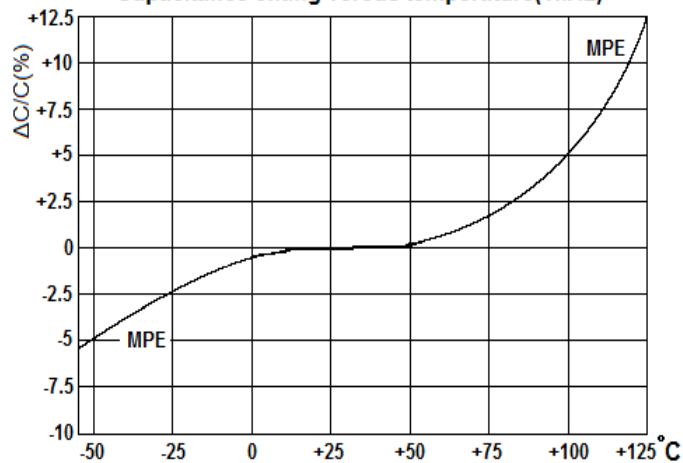
HOW TO ORDER(AID Computer CODE)



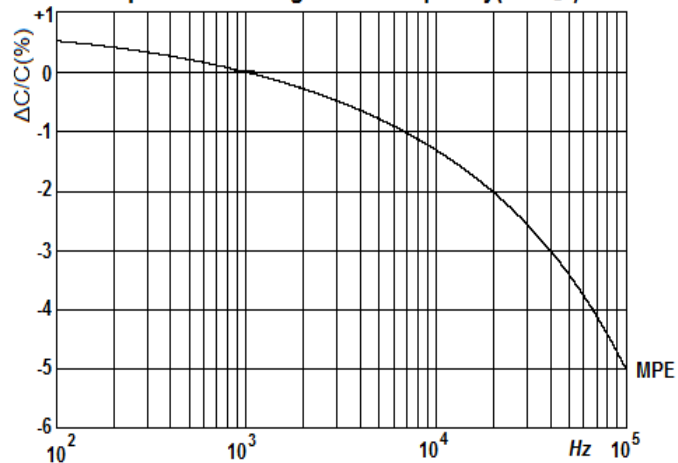


TEMPERATURE AND FREQUENCY CHARACTERISTICS

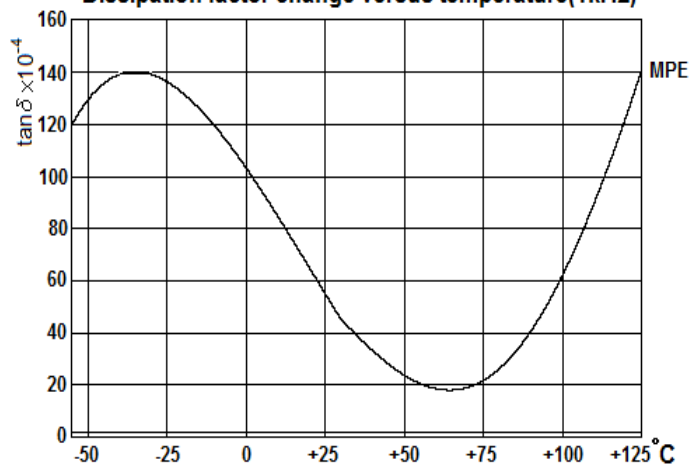
Capacitance change versus temperature(1kHz)



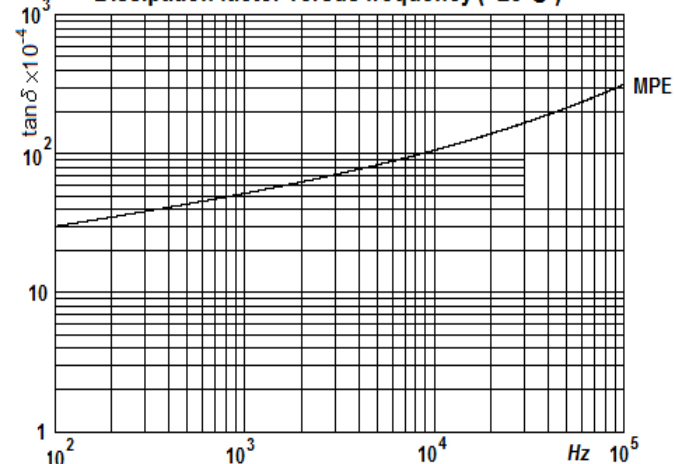
Capacitance change versus frequency(+25°C)



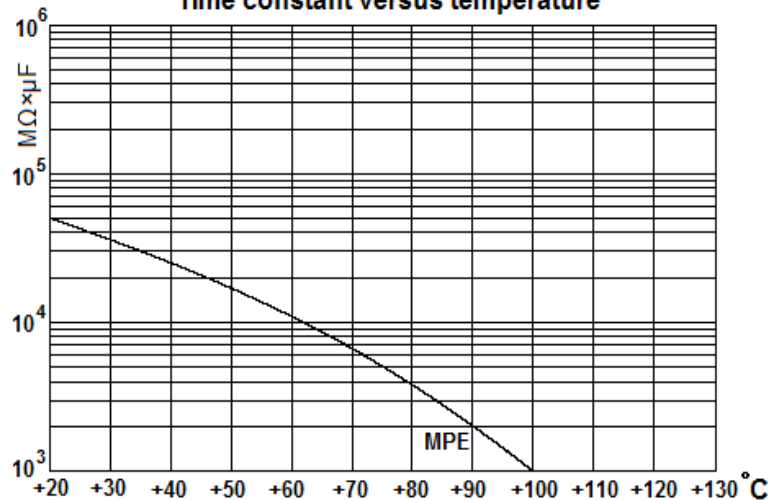
Dissipation factor change versus temperature(1kHz)



Dissipation factor versus frequency (+25°C)



Time constant versus temperature



MPE= metallized polyester