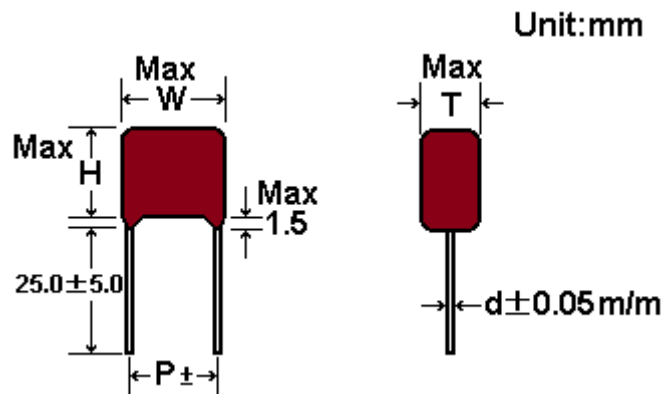


成品型號:MER104J1HA0

Metallized Polyester Film Capacitor. TYPE : MER104J/50VDC



TYPE	MER	
DIMENSIONS	Unit	mm
CAPACITANCE	μ F	0.1
Max. Voltage	VDC	50
Max. Insulation Resistance	IR	Cap $\leq 0.$ Cap > 0.33 μ F IR > 3,000 MOHM $\times \mu$ F

1.Part Name: Metallized Polyester Film Capacitor.

2.Type: MER (Radial Lead)

3.Working Voltage: 50(1H)VDC

4.Capacitance Range: 0.1 μ F

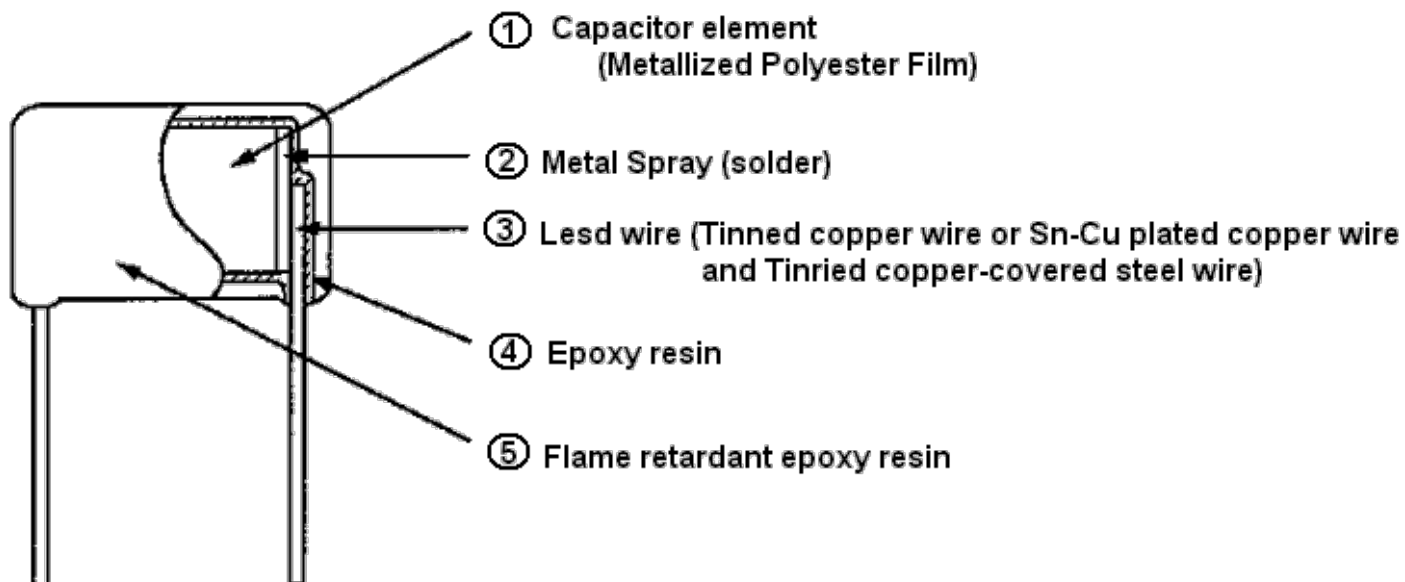
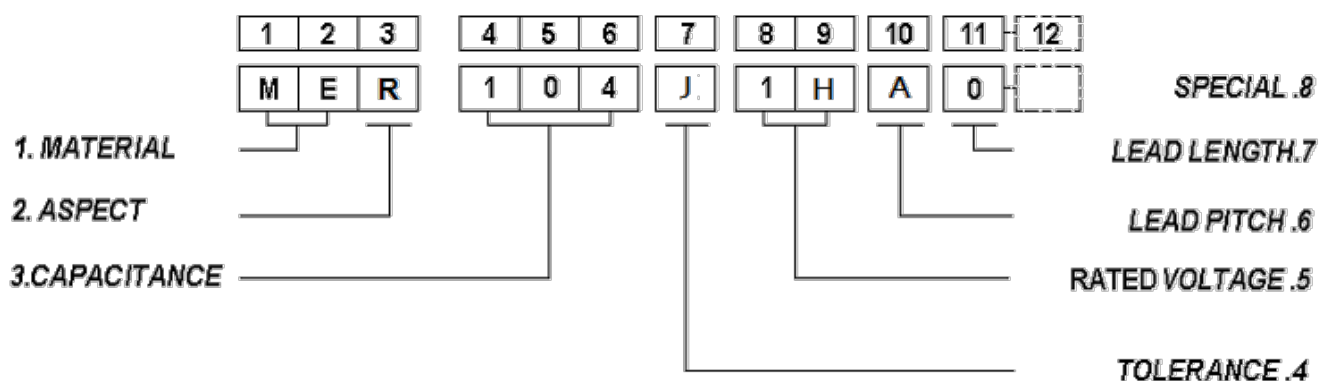
5.Capacitance Range Tolerance: J(\pm 5%)

6.Temperature Range: - 40 $^{\circ}$ C +85 $^{\circ}$ C

7.Characteristics

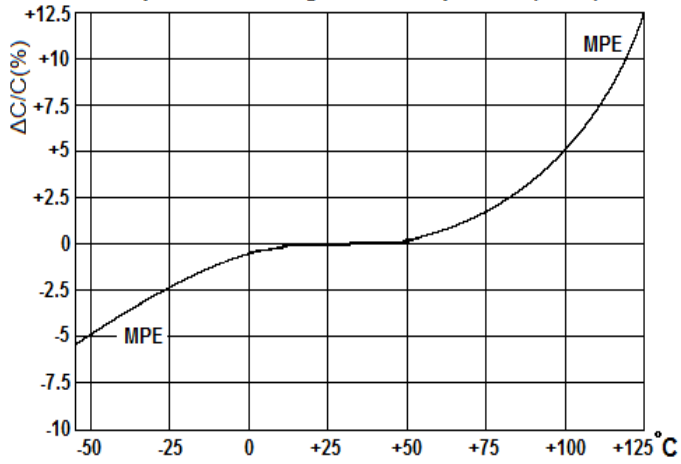
ARTICLE	APPLICATION ITEM	CHARACTERSTICS	TEST METHOD
1.	Dielectric Strength (Between Terminals)	No damage	Add DC test voltage of 150% rated W.V for 1-5 Sec. (VDC)
	Test voltage between terminals and case (Utc)		1.5kV 1Khz applied for 60s at 25 \pm 5 $^{\circ}$ C
2.	Insulation Resistance (Between Terminals)	Cap \leq 0.33 μ F Cap>0.33 μ F IR>3000MOHMx μ F	Measured at 100VDC after 1 minute.
3.	Capacitance	Within the specification	Measured with frequency 1Khz and AC volatge less than 6V.
4.	Disspation factor	tan δ < 1.0%	
5.	Tensile strenght of terminations	No damage	Loading force in dending the lead to 90 $^{\circ}$ of the body. lead dia(mm) load(Kg) 0.6
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.	Solderability	Good tinning ,by eye measurement more than 3/4 of circumference is covered with new solder	Solder temp. 245 $^{\circ}$ C \pm 5 $^{\circ}$ C dwell time 2 \pm 0.5 Sec
8.	Cold	Capacitance change within + 0 -8% of 20 $^{\circ}$ C	At - 40 $^{\circ}$ C no Voltage applied

HOW TO ORDER(AID Computer CODE)

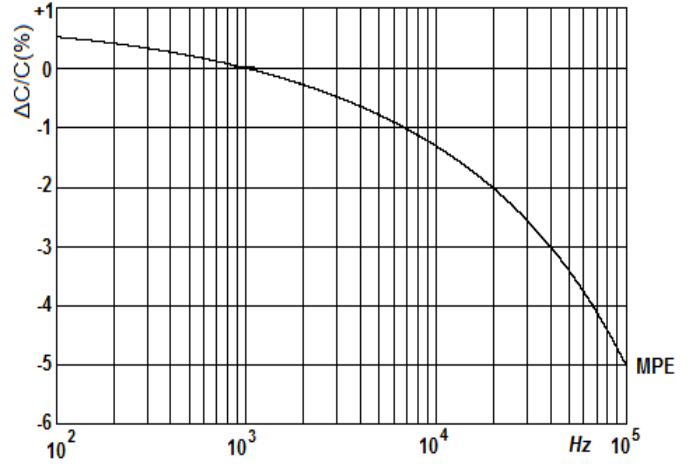


TEMPERATURE AND FREQUENCY CHARACTERISTICS

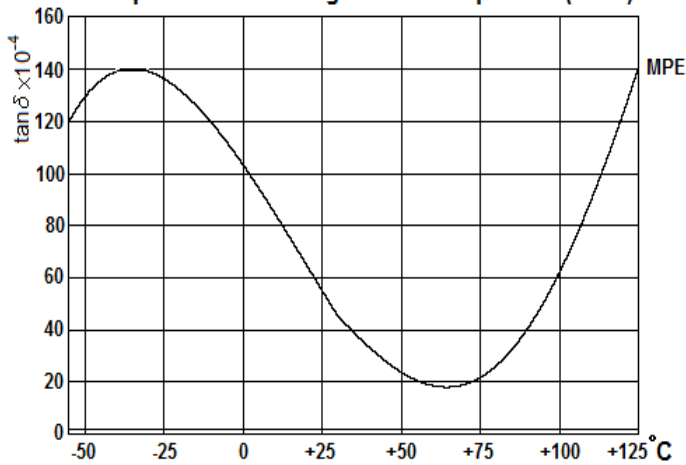
Capacitance change versus temperature(1kHz)



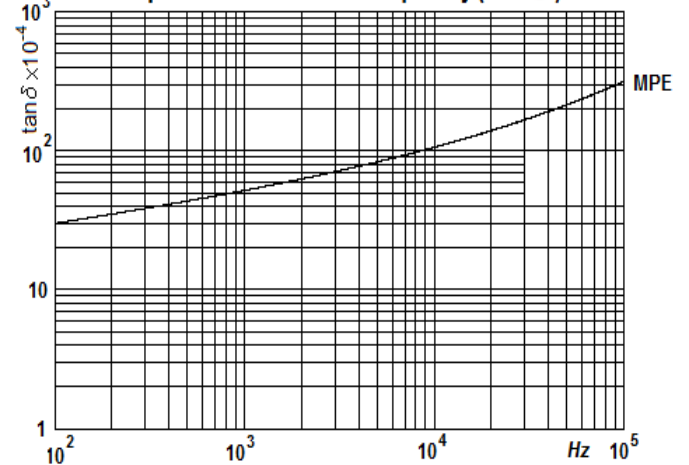
Capacitance change versus frequency(+25°C)



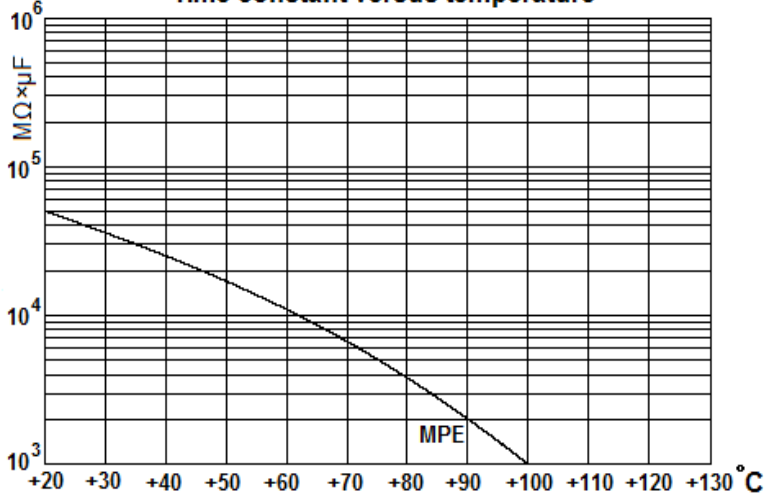
Dissipation factor change versus temperature(1kHz)



Dissipation factor versus frequency (+25°C)



Time constant versus temperature

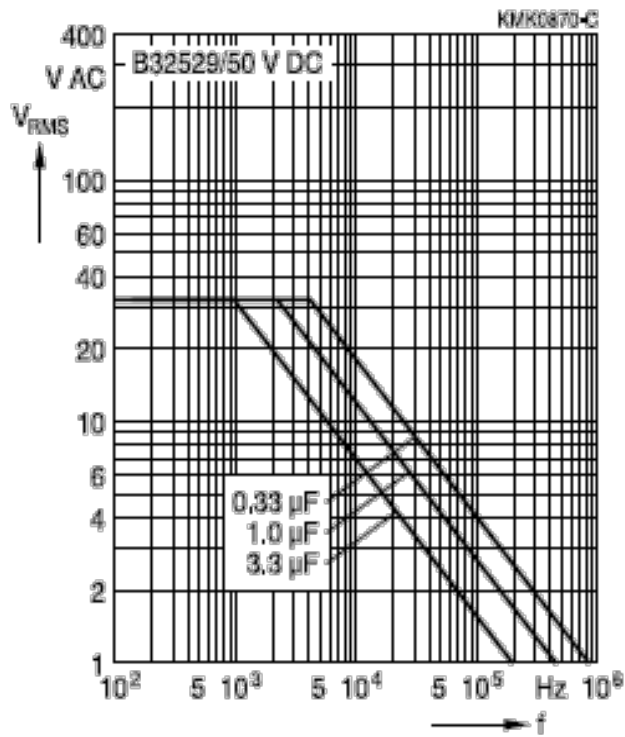


MPE= metallized polyester

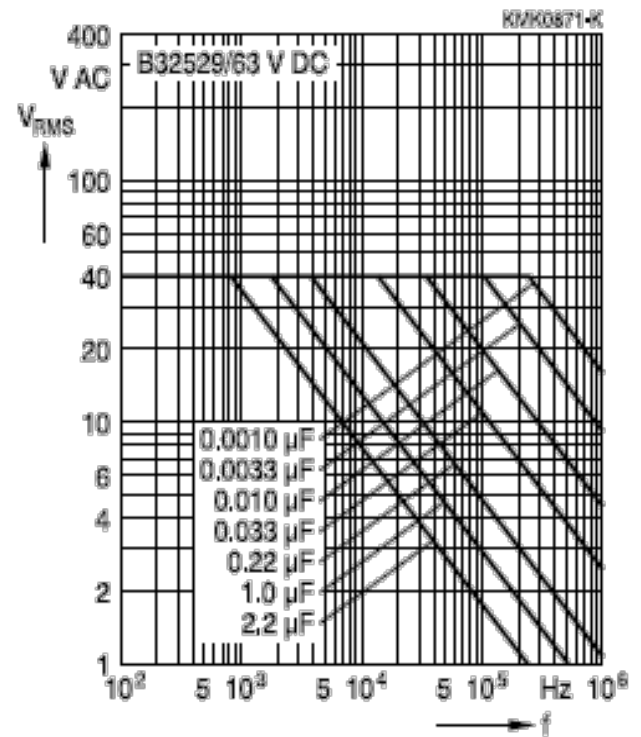
Permissible AC voltage V_{RMS} versus frequency f (for sinusoidal waveforms, $T_A \leq 55^\circ\text{C}$)

Lead spacing 5 mm

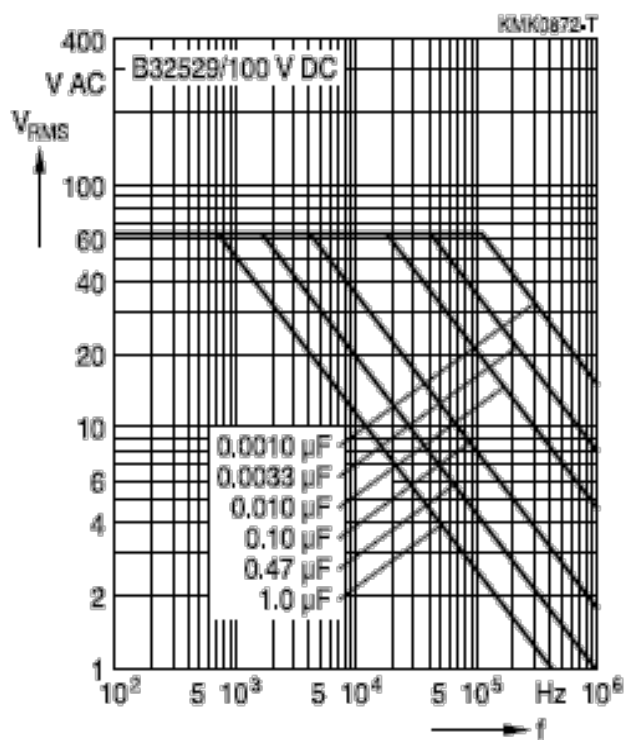
50 V DC/32 V AC



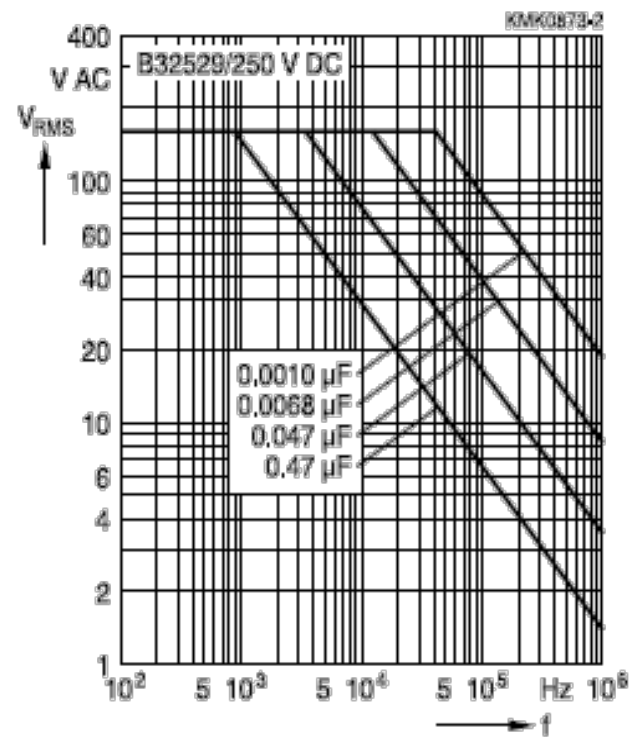
63 V DC/40 V AC



100 V DC/63 V AC



250 V DC/160 V AC



Maximum Current (I_{rms}) vs. Frequency (Sinusoidal Waveform/ $T_h \leq 40^\circ\text{C}$)

Lead Spacing 5 mm

