

METALLIZED POLYESTER CAPACITORS

- **GENERAL INFORMATION**

Type : Metallized Polyester Film Capacitor.
Dielectric : Polyester Film.
Construction : Round Tubular Type, Axial Leads.
Coating : Yellow Plastic Tape Wrapped, Yellow Epoxy Resin Sealed.
Electrodes : Aluminum Metallized, Vacuum Deposited.
Winding : Bifilar Extended Metallized Film.
Contact : Non-Inductive, Zinc Thermal Arc Sprayed Extended Film.
Leads : Tinned Pure Copper.

- **TECHNICAL DATA**

Capacitance : 1.0 ... 47 uF, E 12 series, +-5 %, (see specifications
Range/Tolerance for details)
Dielectric Constant : 3.2 er, polar dielectric.
Dielectric Absorption : Less Than .5 % @ 20 C.
Factor
Equivalent Series : Very Low (see specifications for details)
Resistance
Dissipation Factor : Very Low (see specifications for details)
Self Inductance : Less Than 12 nH with 6 mm leads.
Dielectric Absorption : Less than .5 % at 20° C.
Factor
Insulation Resistance : More than 50,000 MegOhm @ 20°C.
Temperature Range : -55° C to +85° C.
Rated Voltage : 160 VDC/100 VAC.
Test Voltage : 1.6 x Vr for 2 sec.
Dielectric Thickness : 4 micron.
Metal Layers Thickness : 0.03 micron
Leads Diameter : 0.8, 1.0 mm pure copper.. (see specifications for
details)

- **FEATURE**

Hand-Soldered Lead Termination.
 Good Current Capacity.
 High Conductivity Metallization.
 Excellent Long Term Electrical and Mechanical Reliability.

- **ELECTRICAL PERFORMANCE**

Low Dielectric Absorption Factor.
 Low Equivalent Series Resistance.
 Very Low Self Inductance.
 High Self Resonant Frequency
 Low Dissipation Factor.
 High Insulation Resistance.

Dissipation Factor (%) +10%
 Dimensions (mm) +10%

PEMT 160Vdc/100Vac

P/N	Capacitance/DF	D x L
PEMT160J105	1.0 mfd .004	10 x 20
PEMT160J125	1.2 mfd .004	11 x 20
PEMT160J155	1.5 mfd .004	10 x 24
PEMT160J185	1.8 mfd .004	11 x 24
PEMT160J225	2.2 mfd .004	12 x 24
PEMT160J275	2.7 mfd .004	13 x 24
PEMT160J335	3.3 mfd .004	14 x 24
PEMT160J395	3.9 mfd .004	12 x 30
PEMT160J475	4.7 mfd .005	14 x 30
PEMT160J565	5.6 mfd .005	15 x 30
PEMT160J685	6.8 mfd .005	14 x 40
PEMT160J835	8.2 mfd .005	16 x 40
PEMT160J106	10 mfd .005	18 x 40
PEMT160J126	12 mfd .005	20 x 40
PEMT160J156	15 mfd .005	19 x 46
PEMT160J186	18 mfd .005	21 x 46
PEMT160J226	22 mfd .005	23 x 46
PEMT160J276	27 mfd .005	20 x 56
PEMT160J336	33 mfd .005	22 x 56
PEMT160J396	39 mfd .005	26 x 56
PEMT160J476	47 mfd .005	29 x 60

