

# METALLIZED POLYESTER FILM CAPACTTOR — MEM ( MINI Size )

## GENERAL TECHNICAL DATA

Dielectric :

Polyester film ( polyethylene terephthalate )

Plates :

aluminum layer deposited by evaporation under vacuum.

Winding :

mon-inductive type.

Leads :

tinned wire

Protection :

Plastic case, epoxy resin filled.

Box maternal is solvent resistant and flame retardant according to UL94 V0

## ELECTRICAL CHARACTERISTICS

Rated voltage(VR) : 63 Vdc / 100 Vdc / 250 Vdc /400 Vdc

Category voltage (Vc) : up to +85°C Vc=VR

For temperatures between -25°C to +105°C

decreasing factor of 1.25% per degree °C opn the rated voltage

VR has to be applied

Capacitance range : 1000pF to 1.5uF

Capacitance values :

E6 series (IEC 63 Norm).

Capacitance tolerances (measured at 1 KHz) :

± 5 %(J) / ±10 %(K) / ±20 %(M).

Total self-inductance (L) : 7μH

(Lead length-2mm)

Dissipation factor (DF) :

To  $\delta \times 10^{-4}$  at +25 °C ± 5 °C

KHz	C ≤ 0.1uF	C > 0.1uF
1	≤ 1.0 %	≤ 1.0 %
10	≤ 1.5 %	≤ 1.5 %
100	≤ 3.0 %	

Insulation resistance :

Test conditions

Temperature : 25°C± 5°C

Voltage charge time : 1min

Voltage charge : 50 Vdc for VR<100 Vdc

100 Vdc for VR≥ 100 Vdc

Performance

For VR ≤ 100Vdc

≥ 10000MΩ for C ≤ 0.1 uF ( 50000MΩ )\*

≥ 1000MΩ for C > 0.1 uF ( 5000MΩ )\*

For VR > 100Vdc

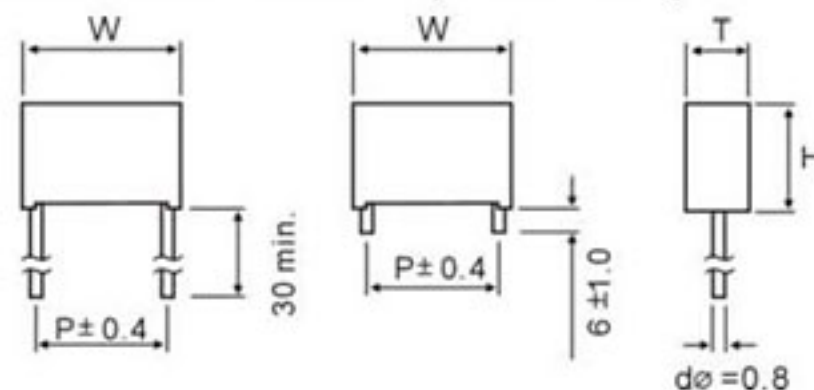
≥ 30000MΩ ( 50000MΩ )\*

● Typical value

Test voltage between terminations:

1.6 × VR applied for 2 s at +25°C± 5°C

⊙ All dimension are in mm ( Pitch=5mm )



T	≤ 3.5	> 3.5
d ± 0.05	0.5 to 0.6	0.6

Rated Capacitance	100Vdc/63Vac			250Vdc/160Vac			400Vdc/200Vac		
	W	H	T	W	H	T	W	H	T
1000 pF	7.2	6.5	2.5	7.2	6.5	2.5	7.2	6.5	2.5
1500 pF	7.2	6.5	2.5	7.2	6.5	2.5	7.2	6.5	2.5
2200 pF	7.2	6.5	2.5	7.2	6.5	2.5	7.2	6.5	2.5
3300 pF	7.2	6.5	2.5	7.2	6.5	2.5	7.2	6.5	2.5
4700 pF	7.2	6.5	2.5	7.2	6.5	2.5	7.2	6.5	2.5
6800 pF	7.2	6.5	2.5	7.2	6.5	2.5	7.2	7.5	3.5
0.010 uF	7.2	6.5	2.5	7.2	6.5	2.5	7.2	7.5	3.5
0.015 uF	7.2	6.5	2.5	7.2	6.5	2.5	7.2	7.5	3.5
0.022 uF	7.2	6.5	2.5	7.2	6.5	2.5	7.2	7.5	3.5
0.027 uF	7.2	6.5	2.5	7.2	6.5	2.5	7.2	7.5	3.5
0.033 uF	7.2	6.5	2.5	7.2	6.5	2.5	7.2	7.5	3.5
0.047 uF	7.2	6.5	2.5	7.2	6.5	2.5	7.2	7.5	3.5
0.068 uF	7.2	6.5	2.5	7.2	7.5	3.5	7.2	8.0	5.0
0.10 uF	7.2	6.5	2.5	7.2	7.5	3.5	7.2	9.5	5.0
0.12 uF	7.2	6.5	2.5	7.2	7.5	3.5	7.2	9.5	5.0
0.15 uF	7.2	6.5	2.5	7.2	7.5	3.5	7.2	9.5	5.0
0.18 uF	7.2	6.5	3.5	7.2	8.0	5.0	7.2	9.5	5.0
0.22 uF	7.2	7.5	3.5	7.2	10.0	5.0	7.2	9.5	5.0
0.33 uF	7.2	7.5	3.5						
0.47 uF	7.2	7.5	3.5						
0.68 uF	7.2	8.0	5.0						
1.0 uF	7.2	9.5	5.0						
1.5 uF	7.2	11.0	6.0						