



Metallized Polypropylene Film Capacitors – Box type (440 VAC)

MAIN APPLICATION

Used in Energy Meters, Inverters etc for AC Application

CONSTRUCTION

Low inductive cell of metallized polypropylene film encased in plastic box potted with epoxy resin, with tinned steel wire as leads.

FEATURES

Very small dimensions and self-healing properties.

CAPACITANCE TOLERANCE

±5%, ± 10%, ± 20%

TANδ (DISSIPATION FACTOR) AT 20° C

Frequency kHz	C _R < 0.1 mfd	0.1 mfd <C _R ≤1 mfd	C _R >1 mfd
At 1	1.0%	1.0%	1.0%

TECHNICAL DATA

Climatic Category in accordance with IEC 60068-1: 40/100/21

Lower Category Temperature T_{min}: -40 C

Upper Category Temperature T_{max}: +100 C

Damp Heat Test: 21 days/40 C/ 93% RH

Limit Values after Damp/Endurance Test:

Capacitance Change: < 3%

Dissipation Factor Change: <0.5% at 1 kHz
<1% at 10 kHz

Insulation Resistance: > 50% of minimum

Permissible Continuous AC Voltage: 440 V

Permissible Continuous DC Voltage: 630 V

DC Test Voltage: 2200 V, 2 sec

Insulation Resistance or Time Constant T = Cr x Ris, at 20° C, RH < 65%

C _R < 0.33 mfd	C _R >0.33 mfd
100 G. Ohm	30000 s

Dimensions subject to change
Special Values & Dimensions available

Pitch (mm) +/- 0.5 mm	Rated Cap (µfd)	W Max mm	H Max mm	L Max mm	Terminal Dia. mm
15	0.15	7.5	14.5	18	0.8
	0.22	8.5	15.5	18	0.8
	0.33	9	17.5	18	0.8
22.5	0.39	10.5	18.5	26.5	0.8
	0.41	10.5	18.5	26.5	0.8
	0.43	10.5	18.5	26.5	0.8
	0.47	10.5	18.5	26.5	0.8
27.5	1.0	13.5	23.0	31.5	0.8