



Metalized Polypropylene Film Capacitors – Box type (440 VAC)

MAIN APPLICATION

Used in Fan Motors for AC Application

TECHNICAL DATA

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

Lower Category Temperature Tmin: -40 C

Upper Category Temperature Tmax: +100 C

CONSTRUCTION

Low inductive cell of metalized polypropylene film encased in flame retardant plastic case potted with epoxy resin, with tinned copper wire as leads.

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

FEATURES

Very small dimensions and self-healing properties.

Permissible Continuous AC Voltage: 440 VAC

Permissible Continuous DC Voltage: 630 VDC

CAPACITANCE TOLERANCE

± 5%, ± 10%

DC Test Voltage: 1400 V, 2 sec

TANδ (DISSIPATION FACTOR) AT 20° C

Frequency kHz	C _R >1 mfd
At 1	0.1%

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

C _R >0.33 mfd
30000 s

For Heavy Duty Use

Dimensions subject to change

Pitch (mm) +/- 0.5 mm	Rated Cap (µfd)	Th Max mm	H Max mm	W Max mm	Terminal Dia. mm
27.5	2.25	18.0	27.0	32.0	1.0

For General Purpose Use

Pitch (mm) +/- 0.5 mm	Rated Cap (µfd)	W Max mm	H Max mm	L Max mm	Terminal Dia. mm
27.5	2.5	13.5	23.0	32.0	1.0
27.5	3.15	15.0	25.0	32.0	1.0