



KMPX2 Series Metalized Polypropylene Film Capacitors – X2 Type (275 VAC)

MAIN APPLICATION

Used in variety of electromagnetic interference suppression applications such as SMPS, Energy Meter, UPS, Inverter etc

CONSTRUCTION

Low inductive cell of metalized polypropylene film, leads of copper clad steel, encased in flame retardant plastic case & potted with flame retardant epoxy resin.

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 10	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: 275 V

Permissible Continuous DC Voltage: 630 V

DC Test Voltage: 2250 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

UL Approval Under File No. E316972

Pitch (mm) +/- 0.5 mm	Rated Cap (µfd)	Th Max mm	H Max mm	W Max mm	Terminal Dia. mm
10	0.01	4	9	13	0.6
	0.022	4	9	13	0.6
	0.033	5	11	13	0.6
	0.047	5	12	13	0.6
	0.068	5	12	13	0.6
	0.1	6	12	13	0.6
15	0.047	6	12	18	0.8
	0.1	6	13	18	0.8
	0.15	6	13	18	0.8
	0.22	7.5	13	18	0.8
	0.33	8.5	14	18	0.8
22.5	0.41	8.5	16	26.5	0.8
	0.47	8.5	16	26.5	0.8
	0.68	10	17	26.5	0.8
	1.0	11	20	26.5	0.8
27.5	1.0	10	19	31.5	0.8
	2.2	14	24	31.5	0.8
	3.3	18	27.5	31.5	0.8
	4.7	18	33.5	31.5	0.8