



ADVANCE COMPONENTS AND INSTRUMENTS PVT. LTD.

Manufacturers of PLASTIC FILM CAPACITORS

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ISO 9001 : 2015
ISO 13485 : 2016

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440Vac EMI Supression Capacitors- X2 type

GENERAL :

- ◆ Non Polar
- ◆ Self Healing
- ◆ Low ESR
- ◆ High Insulation Resistance
- ◆ Low Losses

Class X2 capacitors are used for Interference Suppression and across-the-line applications. Suitable for use in situations where failure of the capacitor would not lead to danger of electric shock.

APPLICATIONS :

- ◆ RFI Filters
- ◆ Switch Mode Power Supplies
- ◆ Power Line Frequency Applications
- ◆ Measuring Instruments

STYLES :

Type Code : MKP-5 / X2 : Axial Lead

MKP-4 / X2 : Radial Lead

STANDARDS : IEC- 384-14

GENERAL TECHNICAL DATA

Dielectric : Metallised Polypropylene Film
Winding : Non-Inductive type
Leads : Tinned wire
Climatic Category : 40/85/21
Marking : Manufacturer's name, capacitance, Tolerance,
rated voltage, style code, manufacturing date code and batch no.
Temperature Range : -40 °C to 85 °C

ELECTRICAL CHARACTERISTICS

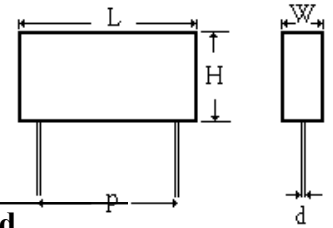
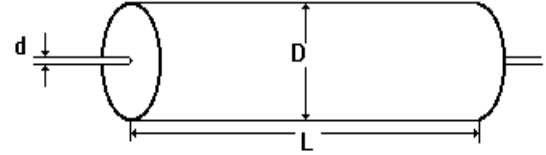
Rated Voltage : 415/440Vac; 50Hz
Capacitance Range : 0.022 μ F to 1.0 μ F
Tolerance : \pm 1%, \pm 2%, \pm 5%, \pm 10%, \pm 20%
Tan Delta (C < 1 μ F) : 0.001 at 1 KHz
Insulation Resistance at 100Vdc : 5,000 M Ω * μ F
15000M Ω max.
DC Test Voltage X2 : 4.3 times rated ac voltage
Pulse Rise Time : 40 to 100 V/ μ S
Impulse Voltage X2 : \leq 2.5 kV, as per IEC 384-14
(for rated voltage \geq 250Vac)

ADVANCE CAPACITORS

INTERFERENCE SUPPRESSION CLASS X2

Dimensions:

Type	Capacitance in μF	D	L	d
MKP-5 X2 Axial	0.1	10.5	27	0.8
	0.15	11	27	0.8
	0.22	11	32	0.8
	0.33	13	32	0.8
	0.47	14.5	32	0.8
	0.68	16	32	0.8
	1.00	16	45	0.8



Type	Capacitance in μF	W	L	H	P	d
MKP-4 X2 Radial	0.022	7.5	18.5	13.5	15.2	0.6
	0.1	8.0	18.0	15.0	15.2	0.8
	0.15	8.5	26.5	17.0	22.5	0.8
	0.22	10.0	26.5	18.5	22.5	0.8
	0.33	11.0	32.0	20.0	27.5	0.8
	0.47	15.5	32.0	24.5	27.5	0.8
	0.68	15.5	32.0	24.5	27.5	0.8
	1.00	14.0	44.0	24.0	40.0	0.8

Note: Other capacitance values available on request
