



ADVANCE COMPONENTS AND INSTRUMENTS PVT. LTD.

Manufacturers of PLASTIC FILM CAPACITORS

Registered Office & Factory :
3A-3A/1, Belavadi Indl.Area, Mysore - 570 018. INDIA



Phone : +91 821 2402307, 2402301, 2403058

E-mail : enquiries@advancecapacitors.com
advcaps@gmail.com

Website : www.advance-capacitors.com

GSTIN : 29AABCA1720D1ZA

Advance 250/275Vac 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 : 250/275Vac; 50Hz
Capacitance Range : 0.01 μ F to 5.6 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 Mohm x μ F
15000Mohm max.
Test Voltage X2 : 4.3 times rated voltage
Pulse Rise Time : 40 to 100 V/ μ S
Impulse Voltage X2 : 2.5 KV as per IEC 384-14
(for rated voltage \geq 250Vac)



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ISO 9001 : 2015
ISO 13485 : 2016

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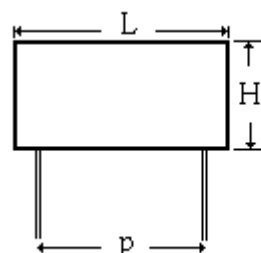
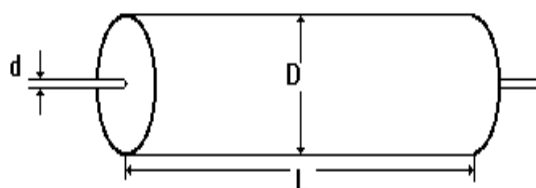
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EMI SUPPRESSION CLASS X2

Dimensions:

Type	Capacitance in μF	D in mm	L in mm	d in mm
MKP-5 X2 Axial	0.01	6	15	0.6
	0.047	7	19	0.6
	0.068	8	19	0.6
	0.1	10	19	0.8
	0.15	12	19	0.8
	0.22	11	27	0.8
	0.33	13	27	0.8
	0.47	13	27	0.8
	0.68	16	32	0.8
	1	19	32	0.8
	1.5	19	45	0.8
	2.2	23	45	0.8
	3.3	28	45	1.0
	4.7	32.5	45	1.0
	5.6	35.5	45	1.0

Type	Capacitance in μF	W mm	L mm	H mm	P mm	d mm
MKP-4 X2 Radial	0.01	5	13	10.5	10.2	0.6
	0.047	6	18	12	15.2	0.6
	0.068	6	18	12	15.2	0.6
	0.1	7.5	18	13.5	15.2	0.6
	0.15	8.5	26.5	17	22.5	0.8
	0.22	10	26	18.5	22.5	0.8
	0.33	11	32	21	27.5	0.8
	0.47	11	32	21	27.5	0.8
	1	15	32.5	24	29	0.8





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250/275Vac EMI Supression Capacitors- Y2 type

GENERAL :

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

Class Y2 capacitors are used for Interference Suppression and across-the-line and line to ground applications. Suitable for use in situations where failure of the capacitor could lead to danger of electric shock.

APPLICATIONS :

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

STYLES : MKP-4S / Y2 : 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 : 250/275Vac; 50Hz
Capacitance Range : 0.0022 μ F to 0.01 μ F
Tolerance : \pm 5%, \pm 10%, \pm 20%
Tan Delta (C < 1uF) : 0.001 at 1 KHz
Insulation Resistance at 100Vdc : 5,000 Mohm x μ F, 15,000 Mohm max
Test Voltage : 3 KV dc
Pulse Rise Time : 40 to 100 V/ μ S



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ADVANCE CAPACITORS

EMI SUPPRESION CLASS Y2

Dimensions:

Type	Capacitance in μF	W mm	L mm	H Mm	P mm	d mm
MKP-4S	0.0022	5.5	18.0	11.0	15.2	0.6
Y2	0.0033	6.0	18.0	12.0	15.2	0.6
Radial	0.0047	7.0	18.0	13.1	15.2	0.6
	0.0068	9.0	18.0	14.5	15.2	0.8
	0.01	9.0	18.0	14.5	15.2	0.8

