ADVANCE COMPONENTS
AND INSTRUMENTS PVT. LTD.
Mfrs. of PLASTIC FILM CAPACITORS & EMI NOISE FILTERS
Registered Office & Factory :
3A-3A/1, Belavadi Indl.Area, Mysore - 570 018. INDIA
Phone : +91 821 2402307, 2402301
E-mail : enquiries@advancecapacitors.com
advcaps@gmail.com
Website : www.advance-capacitors.com
An ISO 9001 & ISO 13485 Company
GSTIN : 29AABCA1720D1ZA

Advance 250/275Vac EMI Supression Capacitors- X2 type

CE marked

GENERAL :

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

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

STYLES :

Type Code : MKP-5 / X2 : Axial Lead MKP-4 / X2 : Radial Lead

STANDARDS : IEC- 384-14

Packing: Bulk

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	: 0.01µF to 5.6µF
Tolerance	: ±1%, ±2%, ±5%, ±10%, ±20%
Tan Delta (C < 1µF)	: 0.001 at 1 KHz
Insulation Resistance at 100Vdc	: 5,000 Mohm x µF 15000Mohm max.
Test Voltage X2	: 4.3 times rated voltage
Pulse Rise Time	: 40 to 100 V/µS
Impulse Voltage X2	: 2.5 KV as per IEC 384-14 (for rated voltage ≥ 250Vac)

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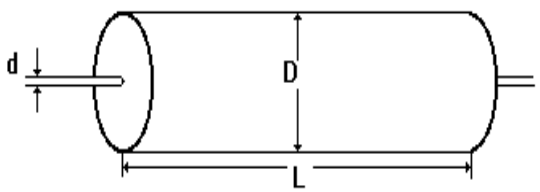
EMI SUPPRESION CLASS X2

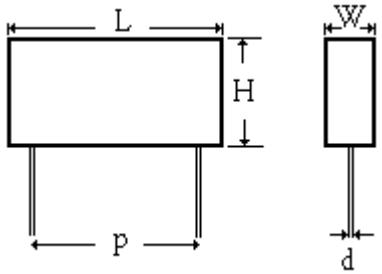
CE marked

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	11	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	19	22.5	0.8
	0.33	10	26	19	22.5	0.8
	0.47	10	26	19	22.5	0.8
	1	15	32.5	24	29	0.8





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250/275Vac EMI Supression Capacitors- Y2 type

GENERAL :

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

CE marked

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
- Power Line Frequency Applications
- Switch Mode Power Supplies
- 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 µF to 0.01 µF
Tolerance	: ± 5%, ±10%, ± 20%
Tan Delta (C < 1uF)	: 0.001 at 1 KHz
Insulation Resistance at 100Vdc	: 5,000 Mohm x µF, 15,000 Mohm max
Test Voltage	: 3 KV dc
Pulse Rise Time	: 40 to 100 V/ µS

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ADVANCE CAPACITORS

EMI SUPPRESION CLASS Y2

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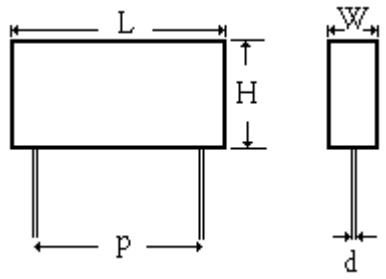
Dimensions:

Type	Capacitance in µF	W mm	L mm	H Mm	P mm	d mm
MKP-4S Y2 Radial	0.0022	5.5	18.0	11.0	15.2	0.6
	0.0033	6.0	18.0	12.0	15.2	0.6
	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