



**ADVANCE COMPONENTS  
AND INSTRUMENTS PVT. LTD.**

Manufacturers of PLASTIC FILM CAPACITORS

Registered Office & Factory:

3A-3A/1, Belavadi Indl. Area, Mysore-570 018. INDIA ISO 9001:2008



Phone : +91 821 2402307, 2402301

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advcaps@gmail.com

Website: www.advance-capacitors.com

## 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 : 0.01µF 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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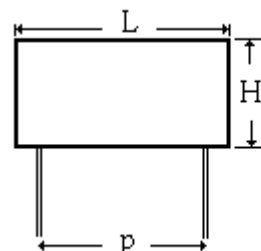
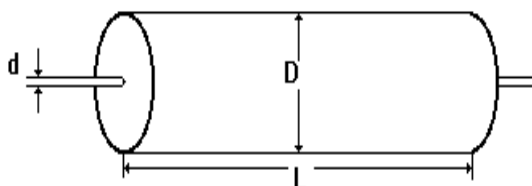
ISO 9001:2008

## EMI SUPPRESSION CLASS X2

### Dimensions:

Type	Capacitance in $\mu\text{F}$	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 $\mu\text{F}$	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  $\mu$ F to 0.01  $\mu$ 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  $\mu$ F, 15,000 Mohm max  
Test Voltage : 3 KV dc  
Pulse Rise Time : 40 to 100 V/  $\mu$ S



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# ADVANCE CAPACITORS

## EMI SUPPRESSION CLASS Y2

### Dimensions:

Type	Capacitance in $\mu\text{F}$	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

