

Y/S/ED CAPACITORS

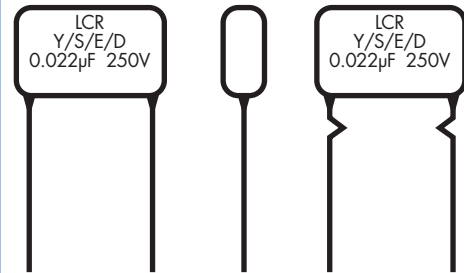
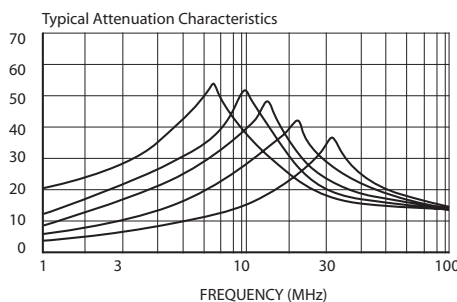
These series wound metallised polyester capacitors are coated in flame retardant epoxy resin.

They are intended for mains to earth connection, meeting the international test requirements for Class Y capacitors BS EN 60065 1994 and IEC 384.



Characteristics	
Capacitance	0.0022-0.47 mfd
Capacitance Tolerance	±5, 10, and 20%
Voltage Rating	250 V RMS (50Hz)
Temperature Range	-25°C to +85°C
Climatic Category	25/85/21
Voltage Test	3000 VDC or 2000 VAC for 2 seconds 2500 VAC (2 seconds) between terminals and case
Insulation Resistance	>30,000 MΩ
Dissipation Factor	<0.01@1KHz <0.015@10KHz

Capacity (mfd)	Length, Height & Width (mm)	p.c.m. (mm)
0.0022	17.5 x 10 x 6	15.2
0.0047	17.5 x 10 x 6	15.2
0.010	17.5 x 11 x 6	15.2
0.022	17.5 x 14.5 x 7.5	15.2
0.047	25x 15 x 7.5	22.5



Endurance Test:
1500 hours @ 1.7 x working voltage @ 85°C
with 1000 VAC applied for 0.1 seconds every hour.

Terminations:
0.8mm tinned copper wire, 16mm minimum length.

Note:
With 200 ohms system max. atten. +10 db.
With 600 ohms system max. atten. +20 db.

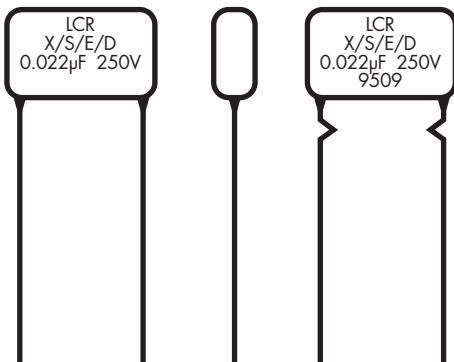
5mm leads 50 ohm system
Attenuation = $20 \log_{10} \frac{V_{in}}{2V_{out}}$

X/S/E/D CAPACITORS



These series wound metallised polyester capacitors are coated in flame retardant epoxy resin.

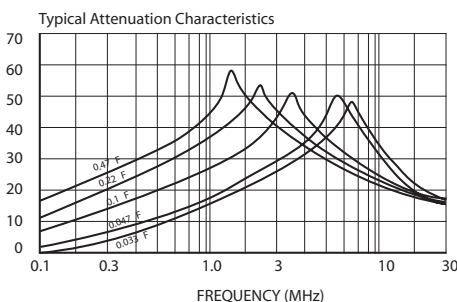
They are intended for use directly across the mains and meet the Class X requirements of BS60065 1994. IEC384.



Endurance Test:
1000 hours @ 1.5 x working voltage @ 85°C
Terminations:
0.8mm tinned copper wire,
16mm minimum length.

Note:
With 200 ohms system max.
atten. +10 db.
With 600 ohms system max.
atten. +20 db.

5mm leads 50 ohm system
Attenuation = $20 \log_{10} \frac{V_{in}}{2V_{out}}$



Characteristics

Capacitance	0.01-1.0µF
Capacitance Tolerance	±5, 10, and 20%
Voltage Rating	250 V RMS (50Hz)
Temperature Range	-25°C to +85°C
Climatic Category	25/85/21
Voltage Test	1075 VDC (1 minute) between terminals 2500 VAC (2 seconds) between terminals and case
Insulation Resistance	>30,000 MΩ
Dissipation Factor	<0.01@1KHz <0.015@10KHz

Capacity (mfd)	Length, Height & Width (mm)	p.c.m. (mm)
0.010	17.5 x 7 x 5	15.2
0.033	17.5 x 9 x 6	15.2
0.047	17.5 x 11 x 7	15.2
0.068	17.5 x 12 x 7.5	15.2
0.1	17.5 x 13 x 8.5	15.2
0.15	25 x 14 x 8.5	22.5
0.22	25 x 15 x 9.5	22.5
0.33	30 x 17 x 11	27.5
0.47	30 x 21 x 12	27.5
0.68	30 x 22 x 13	27.5
1.0	31 x 25 x 13	27.5

MKP/X CAPACITORS

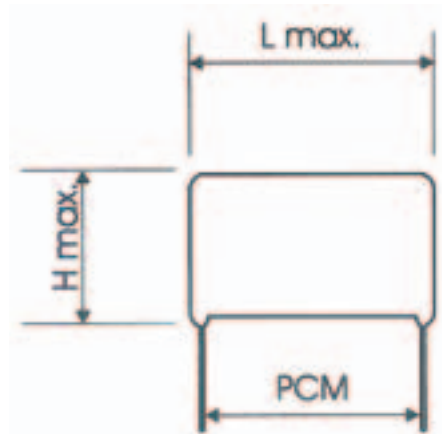
These metallised polypropylene capacitors are coated in a flame retardant epoxy resin.

They are intended for use across the mains.



Characteristics	
Capacitance	0.01-1.0 μ F
Capacitance Tolerance	\pm 5, 10, and 20%
Voltage Rating	250 V RMS (50Hz)
Temperature Range	-25°C to +85°C
Climatic Category	25/85/21
Voltage Test	1075 VDC (1 minute) between terminals 2000 VAC (2 seconds) between terminals and case
Insulation Resistance	>30,000 M Ω
Dissipation Factor	<0.004@1KHz <0.015@10KHz

Capacity (mfd)	Length, Height & Width (mm)	p.c.m. (mm)
0.01	17 x 11 x 5.5	15
0.015	17 x 11 x 5.5	15
0.022	17 x 12 x 5.5	15
0.033	17 x 14 x 5.5	15
0.047	17 x 15.5 x 7	15
0.068	17 x 15.5 x 7	15
0.1	17 x 15.5 x 7	15
0.15	25 x 17 x 6.5	22.5
0.22	25 x 18.5 x 7	22.5
0.33	25 x 21 x 8.5	22.5
0.47	25 x 19 x 10.5	22.5
0.68	31 x 20 x 11	27.5
1.0	31 x 25 x 15	27.5



Endurance Test:
1000 hours @ 1.25 x working voltage @ 85°C

Terminations:
15mm spacing 0.6mm.
Other 0.8mm tinned copper wire.

Capacitors can be manufactured in different sizes.