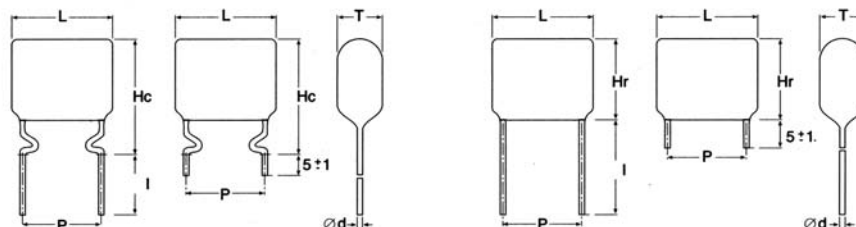


METALLIZED POLYESTER FILM CAPACITOR



TYPICAL APPLICATIONS:

Filter and noise suppression circuit in low voltage application, blocking, coupling, by-pass, energy storage

FEATURES:

Highly reliability, non-inductive, self-healing properties, flat style, high moisture resistance, good solderability.

MARKING:

Manufacturer's logo, capacitance, tolerance, rated voltage and. type

DIELECTRIC:

Polyester film.

ELECTRODES:

Aluminium layer deposited by evaporation under vacuum.

CONSTRUCTION:

Metallized polyester film, non inductive, radial leads, and coated in epoxy resin.

LEADS:

Tinned wire.

OPERATING TEMP. RANGE:

From -55°C to +105 (At 105°C with 75% of rated voltage)

CAPACITANCE RANGE:

0.01 μ F to 22 μ F

CAPACITANCE TOLERANCE:

20%, 10%, 5%

RATED VOLTAGE:

63VDC, 100VDC, 160VDC, 250VDC, 400VDC, 630 VDC, 1000VDC

PITCH:

10, 15, 22.5, 27.5 (mm)

PITCH TOLERANCE:

10, 15: $\pm 0,5$ mm
22.5, 27.5: ± 1 mm

DISSIPATION FACTOR:

$Tg\delta \leq 130 \cdot 10^{-4}$ (10 KHz, 25°C)
 $Tg\delta \leq 100 \cdot 10^{-4}$ (1 KHz, 25°C)

INSULATION RESISTANCE:

$\geq 15,000$ M Ω for $C \leq 0.33\mu$ F
 $\geq 5,000$ s for $C > 0.33\mu$ F

WITHSTAND VOLTAGE:

Rated voltage (VDC) x 1.5 for 60 s

RESISTANCE TO SOLDERING HEAT:

Body temperature: 100°C
Bath temperature: 260°C \pm 5°C

BASIC SPECIFICATIONS:

IEC 60384-2
CECC 30400

MKT-68	PITCH (mm)	dV/dt (V/us)			
		100Vdc	250Vdc	400Vdc	630Vdc
	10	28	70	110	70
	15	20	28	44	70
	22,5	8	12	20	28
	27,5	7	10	16	24

STANDARD PRODUCTS AND CASE SIZE TABLE (mm)

CAP μF	PITCH (mm)	100VDC			250VDC			400VDC			630VDC			1000VDC		
		L	T	Hr	L	T	Hr	L	T	Hr	L	T	Hr	L	T	Hr
0.001	10													13	5.5	10.5
0.0047	10													13	7.5	15
0.0047	15													18	7	10
0.01	10											13	5	9.5		
0.01	15													18	6	13
0.015	10							13	5.5	10	13	5.5	10			
0.022	10							13	5	9	13	5.5	10.5			
0.033	10							13	5.5	10.5	13	6.5	11			
0.047	10				13	5	9	13	5	9						
0.068	15											18	6	10.5		
0.068	10				13	5	8.5	13	6	10.5						
0.068	15											18	6.5	11.5		
0.1	10	12	6	11	12	6	11	13	7	12.5						
0.1	15							18	6.5	11.5	18	7.5	13.5			
0.1	22.5											26	7	13		
0.15	10	13	5.5	9.5	13	6.5	11									
0.15	15							18	5.5	12	18	8.5	15.5			
0.15	22.5											26	8.0	13		
0.22	10	13	5.5	9.5	13	8	12									
0.22	15	18	6	8.5	18	6	11	17.5	6.5	11	18	9.5	17.5			
0.22	22.5							24	5.5	9.5	26	8.5	15			
0.33	10	13	6.5	10.5												
0.33	15	18	6	10.5	18	7	12	18	8.0	13.5						
0.33	22.5							26	7	12	26	9.5	17			
0.47	10	13	7	11.5								26	11.5	20.0		
0.47	15	18	6	10.5	18	8.0	12.5	18	9	16	31	10	18.5			
0.47	22.5				26	7	11.5	26	7	13.5						
0.68	15	18	6.5	12.5	18	9	15									
0.68	22.5				26	7.5	13	26	7.5	17	26	13.5	22.5			
0.68	27.5											31	8.8	18		
1	10	13	7	16.5												
1	15	18	7.5	12.5	18	11	16.5									
1	22.5	26	7	12	26	8.5	14.5	26	9	18.5						
1	27.5							31	8.5	18	31	15	24.0			
1.5	15	18	9	15												
1.5	22.5	26	8.0	14.5	26	9.5	16.5	26	11	19						
1.5	27.5				31	9	16	31	10	19	32	17	26.5			
2.2	15	18	10.5	17												
2.2	22.5	26	8.5	16.5	26	11	19.5									
2.2	27.5							32	12	23						
3.3	22.5	26	9	18	26	14.0	23.0									
3.3	27.5	31	10	17.5	31	13	22.0	31	15.5	25						
4.7	22.5	26	11	21.0												
4.7	27.5	31	11	20.5	31	15	25.5	32	18.5	28						
6.8	27.5	31	13	23.0												
10	27.5	31	16	25												