

MPT series

JL

Metallized Polypropylene Film Capacitor

Non-inductive, wrap & fill with polyester tape & epoxy resin.

Features

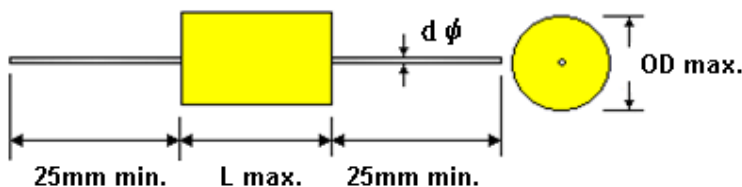
1. High reliability.
2. Excellent long term stability.
3. Low losses and excellent for high frequency application.
4. Miniature size and light weight.
5. Self-healing property.
6. Taped and reeled package is available for auto-insertion.

Specification

1. Operating Temperature : $-40^{\circ}\text{C} \sim +85^{\circ}\text{C}$
2. Capacitance Range : 0.01 ~ 4.7 Mfd
3. Capacitance Tolerance : $\pm 5\%$ (J), $\pm 10\%$ (K), $\pm 20\%$ (M)
 $\pm 1\%$ (F), $\pm 2\%$ (G) available upon request.
4. Rated Voltage : 250VDC, 400VDC, 630VDC
5. Dissipation Factor : 0.1% max. at 1 KHz 25°C
6. Insulation Resistance : $C < .33\text{Mfd}$, $R \geq 30,000$ Meg. Ohm at 25°C
 $C \geq .33\text{Mfd}$, $RC \geq 10,000$ Meg. Ohm \times Mfd.
7. Dielectric strength : 160% of rated voltage for 2 sec.

Application

Widely used in communication and electronic industries as timing integrating and filter networks.



Maximum pulse rise time (dv/dt) V / μsec

Unit:mm

VDC \ L	14.0	19.0	25.0	32.0	37.0	47.0
250	10.0	7.0	4.0	2.5	1.5	
400	13.5	10.0	6.5	4.0	3.0	
630	20.0	15.0	10.0	6.0	4.0	2.0

Unit:mm

VDC	250 VDC			400 VDC			630		
Mfd	OD	T	d φ	OD	T	d φ	OD	T	d φ
0.010	5.0	14.0	0.6	5.5	14.0	0.6	6.5	14.0	0.6
0.015	5.5	14.0	0.6	6.0	14.0	0.6	7.0	14.0	0.6
0.022	6.0	14.0	0.6	7.0	14.0	0.6	8.0	14.0	0.6
0.033	6.0	14.0	0.6	7.5	14.0	0.6	8.0	19.0	0.6
0.047	6.5	14.0	0.6	8.0	14.0	0.6	9.0	19.0	0.8
0.068	7.5	14.0	0.6	8.0	19.0	0.6	9.0	25.0	0.8
0.10	8.0	14.0	0.6	8.5	19.0	0.8	11.0	25.0	0.8
0.15	8.5	14.0	0.8	8.5	19.0	0.8	12.0	25.0	0.8
0.22	9.0	19.0	0.8	9.5	25.0	0.8	13.0	32.0	0.8
0.33	9.0	25.0	0.8	11.5	25.0	0.8	15.0	32.0	0.8
0.47	10.5	25.0	0.8	12.0	32.0	0.8	17.0	32.0	0.8
0.68	12.5	25.0	0.8	14.0	32.0	0.8	18.5	37.0	0.8
1.0	12.5	32.0	0.8	16.5	32.0	0.8	19.0	47.0	0.8
1.5	14.5	32.0	0.8	18.5	37.0	0.8			
2.2	16.5	32.0	0.8	21.0	37.0	0.8			
3.3	16.5	37.0	0.8						
4.7	21.0	37.0	0.8						