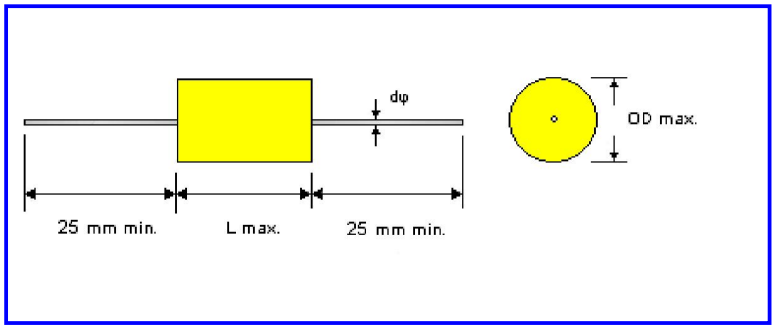
RoHS Compliant

TYPE POT

Farad

POLYPROPYLENE FILM CAPACITOR

NON-INDUCTIVE, EXTENDED FOIL, WRAP AND FILL



APPLICATION

*** Used in communication and industrial electronics as precision timing and oscillation circuit, signal coupling, by passing circuit.**

FEATURES

*** Excellent long term stability and high reliability.**

*** Negative temperature coefficient can be used in critical circuits.**

*** Tape and reel package is available for auto-insertion.**

OD	dφ
up to 8.0 mm	0.6 mm
over 8.0 mm	0.8 mm

GENERAL SPECIFICATION

1. OPERATING TEMPERATURE:

- 40℃ ~ + 105℃

Derate DC voltage 1.5%/℃ above 85℃ to 105℃.

2. VOLTAGE RANGE:

100, 250, 400, 630 and 1000 VDC.

3. CAPACITANCE RANGE:

0.001 ~ 0.47 Mfd.

(other rating upon request)

4. DIELECTRIC STRENGTH:

200% of rated voltage for 2 sec.

5. CAPACITANCE TOLERANCE:

±5%, ±10% and ±20%.

±1%, ±2% and ±3% available upon request.

6. INSULATION RESISTANCE:

C＜.33 Mfd, R ≧30,000 Meg. Ohm at 20±3℃.

C≧.33 Mfd, RC≧10,000 Meg. Ohm × Mfd.

7. DISSIPATION FACTOR:

0.1% max. at 1KHz 20±3℃.

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

VDC \ L	11.5	13.5	16.0	19.0	23.0	27.0	32.0	37.0
100	4500	4500	2100	2100	1100	900	900	
250	6000	6000	3000	3000	1400	1100	900	
400	14400	14400	7200	7200	3000	2100	2100	900
630		15000	7400	7400	4000	3000	3000	1000
1000				9000	5800	3700	3700	3000

VDC / Mfd	100		250		400		630		1000	
	OD	L	OD	L	OD	L	OD	L	OD	L
0.0010	5.0	11.5	5.0	11.5	5.0	11.5	5.0	13.5	7.5	19.0
0.0015	5.0	11.5	5.0	11.5	5.0	11.5	5.0	13.5	8.0	19.0
0.0022	5.0	11.5	5.0	11.5	5.0	11.5	6.0	13.5	8.8	19.0
0.0033	5.0	11.5	5.0	11.5	6.0	13.5	7.0	16.0	9.5	19.0
0.0047	5.5	11.5	5.5	11.5	6.5	13.5	7.5	16.0	10.5	19.0
0.0068	6.0	11.5	6.0	11.5	7.0	13.5	7.5	19.0	11.5	19.0
0.010	6.5	11.5	6.5	13.5	7.5	16.0	8.5	19.0	11.5	27.0
0.015	6.5	13.5	7.0	16.0	8.5	16.0	10.0	23.0	12.5	27.0
0.022	7.0	13.5	7.5	16.0	9.5	16.0	11.0	27.0	14.0	27.0
0.033	7.5	16.0	7.5	19.0	9.5	19.0	12.0	32.0	14.0	37.0
0.047	7.5	19.0	8.5	19.0	10.5	19.0	13.0	32.0	16.0	37.0
0.068	8.5	19.0	9.0	23.0	10.5	23.0	14.0	32.0		
0.10	9.5	23.0	10.5	23.0	13.0	27.0	15.5	37.0		
0.15	11.0	27.0	12.5	27.0	13.0	32.0				
0.22	12.5	32.0	13.5	32.0	15.0	32.0				
0.33	14.0	32.0	15.0	32.0	17.0	37.0				
0.47	15.0	32.0								