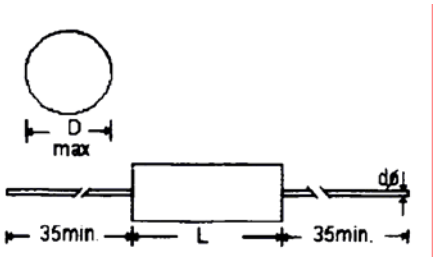
METALLIZED POLYPROPYLENE FILM CAPACITOR AXIAL LEADS



TYPICAL APPLICATIONS:
Resonance circuits, temperature compensation circuits, high frequency circuit, power factor correction, coupling capacitors in SMPS, timing, oscillator circuits.

FEATURES:
Low dissipation factor and high insulation resistance, High stability of capacitance and dissipation factor versus temperature and frequency and self-healing properties.

MARKING:
Manufacturer's logo, capacitance, tolerance, rated voltage and type

DIELECTRIC:
Polypropylene film.

ELECTRODES:
Aluminium layer deposited by evaporation under vacuum.

CONSTRUCTION:
Metallized polypropylene film, non inductive, axial leads, tape-wrapped with epoxy end seals

LEADS:
Tinned wire

OPERATING TEMP. RANGE:
-55ºC to +105 (At 105ºC with 75% of rated voltage.)

CAPACITANCE RANGE:
0.001µF to 15µF

CAPACITANCE TOLERANCE:
20%, 10%, 5%

RATED VOLTAGE:
250V, 300V, 400V, 630V, 850V, 1000V, 1250V, 1600V, 2000V, 3000V

DISSIPATION FACTOR:
Tg $\delta \leq 20 \cdot 10^{-4}$ (1 KHz 25ºC)

INSULATION RESISTANCE:
50,000 MΩ for C≤0.33µF
15,000 s for C>0.33µF

WITHSTAND VOLTAGE
Rated voltage (VDC) x 1,5 for 60 seconds

RELATED DOCUMENTS
IEC 60384-16
CECC 31200

MAXIMUM PULSE RISE TIME (dV/dt)

Vr	L max (mm)					
	13	**15**	**21**	**28**	**33**	
250	11	10	7	4	2.5	dv/dt (V/µs)
400	25	13.5	10	6.5	4	dv/dt (V/µs)
630	30	20	15	10	6	dv/dt (V/µs)
850				15		dv/dt (V/µs)

STANDARD PRODUCTS AND CASE SIZE TABLE (UNIT: mm)

CAP	250VDC		400VDC		630VDC		850VDC	
µF	D	L	D	L	D	L	D	L
0.01					7.5	15		
0.015					6	13		
0.022			5.6	13	6.5	13		
0.033	5.6	13	6	13	7	15		
0.047	5.6	15	6.5	13	8	15		
0.068	6.1	15	7	15	7.5	21		
0.1	7	15	6.5	20	8.5	20		
0.15	6.5	21	7.5	21	8.5	28		
0.22	7.5	21	7.5	26	9.5	28		
0.33	7.8	26	8.5	28	10.5	33	11	28
0.47	8	28	9	33	11	37	12.5	28
0.68	9	33	10.3	33	13	37	15	28
1.0	10.5	33	12.5	33	13.5	47		
1.5	12.5	33	14	37	16.5	47		
2.2	14	37	14.5	47	17.5	57		
3.3	17	37	17	47	20.5	57		
4.7	17	47	22	36	24.5	57		
6.8	20.5	47	21	57				
10	22	57	26	57				
15	27	57						

TIPICAL GRAPHS

MAXIMUM VOLTAGE (V rms) VERSUS FREQUENCY (Sinusoidal wave-form)