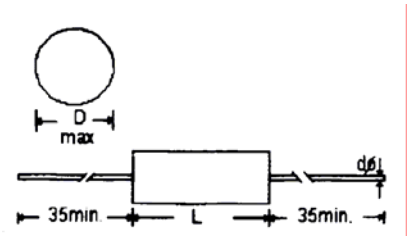
METALLIZED POLIESTER FILM CAPACITOR AXIAL LEADS



TYPICAL APPLICATIONS:
Couplings, decoupling, bypass, filtering, timing, automatic control system, communications equipment, charging/discharging, lighting, noise suppression, etc.

FEATURES:
High stability, non-inductive, self-healing properties, high capacitance value and compact size, etc.

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, 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:
0.01µF to 33µF

CAPACITANCE TOLERANCE:
20%, 10%, 5%

RATED VOLTAGE:
63 VDC, 100VDC, 250VDC, 400VDC, 630VDC, 1000VDC.

DISSIPATION FACTOR:
Tg $\delta \leq 150 \cdot 10^{-4}$ (10 KHz, 25ºC)
Tg $\delta \leq 80 \cdot 10^{-4}$ (1 KHz, 25ºC)

INSULATION RESISTANCE:
15,000 MΩ for C≤0.33µF
5,000 s for C>0.33µF

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

RELATED DOCUMENTS
IEC 60384-2
CECC 30400

STANDARD PRODUCTS AND CASE SIZE TABLE (UNIT: mm)

CAP	63VDC		100VDC		250VDC		400VDC		630VDC	
µF	D	L	D	L	D	L	D	L	D	L
0.0033									5.5	13
0.01					6	15			6	15
0.015									6	15
0.022									6.5	15
0.033									7	15
0.047					5.5	13	7	15	8.5	15
0.068					6.2	13	7	15	8	21
0.1					7	15	6	20	9	21
0.15			6	15	7.3	15	7	21	10.5	21
0.22			8	21	8	15	8	21	10	28
0.33			8	21	6	17	8	26	11.5	28
0.47			7	21	10	22	9.5	26	13.5	28
0.68			7.2	22	9	29	10.5	28	14	33
1.0			8.5	20	8	28	11.5	28	17	33
1.5	6.5	20	9	26	12	28	13	28	19.5	37
2.2			10	26	16	33	14.5	37	20	47
3.3			10.5	33	15	33	17.5	37	21.5	57
4.7			11.5	33	16.5	37	17.5	47	25	57
5.6			12.5	33						
6.8			15	33	19.5	37	21	47		
10			14	42	23	37				
15			16.5	42	23	46				
22			18.5	48	28	46				
45					32	66				
60			27	56						