

DB LECRTO Inc.

MPT

Metallized Polyester Film Capacitor (Tubular)



FEATURE

- Non-inductive construction and self-heal on
- Low DF and high IR
- High capacitance value available and compact size

APPLICATION

- Coupling decoupling by-passing and timing circuit
- Automatic control system, communication equipment
- Charging/discharging lighting noise suppression and frequency modulation

TECHNOLOGY°

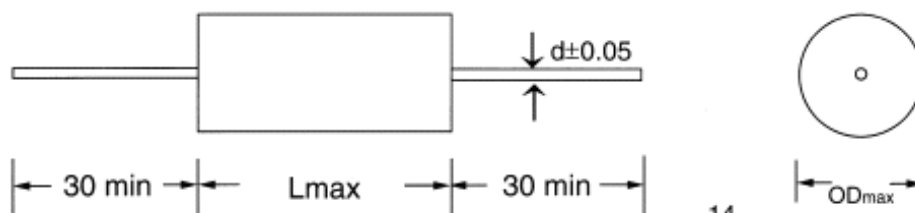
DIELECTRIC	Polypropylene film
ELECTRODES	Vacuum evaporated metal
COATING	Out wrapped with Mylar tape and ends sealed with epoxy resin
LEADS	Axial leads of tinned wire
REFERENCE STANDARD	IEC 384-16 GB 10190
CLIMATIC CATALOGUE	-40°C +85°C
CAPACITANCE VERSUS RATED VOLTAGE(U_R)	100VDC 0.01µF-10µF 250VDC 0.01µF-10µF 400VDC 0.01µF-2.2µF 630VDC 0.01µF-1.0µF
CAPACITANCE TOLERANCE	M= ±20% K= ±10% J= ±5%
DISSIPATION FACTOR	DF<0.10% (at 20°C 1KHZ)
TANGENT OF LOSS	
VOLTAGE PROOF	1.4* U_R (1 minute at 20°C)
INSULATION RESISTANCE	C<0.33µF IR<15000MΩ C>0.33µF IR*C>5000ΩF (1minute at 20°C and RH<65%)
ENDURANCE	1000 hours with 125% of rated voltage at 85°C. After the test: C/C<5% ; DF<0.04% C<0.33µF, IR>7500MΩ C>0.33µF, IR*C>2500MΩ (20°C 1KHZ)

DB LECRTO Inc.

MPT

Metallized Polyester Film Capacitor (Tubular)

OUTLINE DRAWING



DIMENSION

Unit mm

CAPACITANCE		100VDC			250VDC			400VDC			630VDC		
symbol	μF	L	OD	dΦ	L	OD	dΦ	L	OD	dΦ	L	OD	dΦ
103	0.010	16.0	5.0	0.6	16.0	5.0	0.6	16.0	5.5	0.6	16.0	6.5	0.6
153	0.015	16.0	5.0	0.6	16.0	5.0	0.6	16.0	6.0	0.6	16.0	7.0	0.6
223	0.022	16.0	6.0	0.6	16.0	6.0	0.6	16.0	7.0	0.6	16.0	8.0	0.6
333	0.033	16.0	6.0	0.6	16.0	6.0	0.6	16.0	7.5	0.6	21.0	6.0	0.8
473	0.047	16.0	6.5	0.6	16.0	6.5	0.6	16.0	8.0	0.6	21.0	7.0	0.6
683	0.068	16.0	7.5	0.6	16.0	7.5	0.6	21.0	8.0	0.8	26.0	9.0	0.8
104	0.10	16.0	8.0	0.6	16.0	8.0	0.6	21.0	8.5	0.8	26.0	11.0	0.8
154	0.15	16.0	9.0	0.6	16.0	9.0	0.6	21.0	10.0	0.8	26.0	14.0	0.8
224	0.22	21.0	9.0	0.8	21.0	9.0	0.8	21.0	11.5	0.8	32.0	14.0	0.8
334	0.33	21.0	9.5	0.8	21.0	9.5	0.8	26.0	11.5	0.8	32.0	16.0	0.8
474	0.47	21.0	11.0	0.8	21.0	11.0	0.8	26.0	14.0	0.8	32.0	18.0	0.8
684	0.68	26.0	11.0	0.8	26.0	12.0	0.8	32.0	17.0	0.8	32.0	20.0	0.8
105	1.0	26.0	13.0	0.8	26.0	12.0	0.8	32.0	19.0	0.8	32.0	24.0	0.8
155	1.5	26.0	14.5	0.8	26.0	14.5	0.8	32.0	21.0	0.8			
225	2.2	32.0	15.0	0.8	32.0	15.0	0.8	36.0	22.0	0.8			
335	3.3	32.0	18.0	0.8	32.0	18.0	0.8						
475	4.7	32.0	22.0	0.8	32.0	22.0	0.8						
685	6.8	32.0	25.0	0.8	36.0	25.0	0.8						
106	10	46.0	24.0	0.8	46.0	24.0	0.8						