

MPA

Metallized Polyester Film Capacitor (Axial and Oval)



FEATURE

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

APPLICATION

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

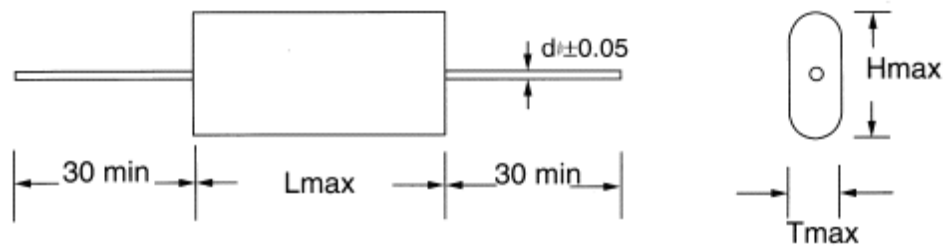
TECHNOLOGY°

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 384-2grade I		
CLIMATIC CATALOGUE	-40°C +85°C		
CAPACITANCE VERSUS RATED VOLTAGE(U_R)	100VDC 0.01 μ F-6.8 μ F	250VDC 0.01 μ F-6.8 μ F	400VDC 0.01 μ F-1.5 μ F
CAPACITANCE TOLERANCE	M= $\pm 20\%$	K= $\pm 10\%$	J= $\pm 5\%$
DISSIPATION FACTOR (TANGENT OF LOSS)	DF<0.10% (at 20°C 1KHz)		
VOLTAGE PROOF	1.4* U_R (1 minute at 20°C)		
INSULATION RESISTANCE	C<0.33 μ F IR>15000M Ω		
	C>0.33 μ F IR*C>5000M Ω (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<0.33 μ F, IR>7500M Ω C>0.33 μ F,IR*C>2500M Ω (20°C 1KHz)

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OUTLINE DRAWING



DIMENSION

Unit mm

CAPACITANCE		100VDC					250VDC					400VDC					630VDC				
symbol	μF	L	H	T	dΦ	L	H	T	dΦ	L	H	T	dΦ	L	H	T	dΦ	L	H	T	dΦ
103	0.010	16.0	9.0	5.0	0.6	16.0	9.0	5.0	0.6	16.0	9.0	5.0	0.6	16.0	9.0	5.0	0.6	16.0	9.0	5.0	0.6
153	0.015	16.0	9.0	5.0	0.6	16.0	9.0	5.0	0.6	16.0	9.0	5.0	0.6	16.0	9.0	5.0	0.6	16.0	9.0	5.0	0.6
223	0.022	16.0	10.0	6.0	0.6	16.0	10.0	6.0	0.6	16.0	11.0	7.0	0.6	16.0	12.0	6.5	0.6	16.0	12.0	6.5	0.6
333	0.033	16.0	10.0	6.0	0.6	16.0	10.0	6.0	0.6	16.0	11.0	7.0	0.6	16.0	12.5	7.0	0.6	16.0	12.5	7.0	0.6
473	0.047	16.0	10.0	6.0	0.6	16.0	10.0	6.0	0.6	16.0	12.0	7.0	0.6	21.0	11.0	6.0	0.8	21.0	11.0	6.0	0.8
683	0.068	16.0	10.0	6.0	0.6	16.0	10.0	6.0	0.6	21.0	9.0	7.0	0.8	21.0	12.0	8.0	0.8	21.0	12.0	8.0	0.8
104	0.10	16.0	10.0	6.0	0.6	16.0	10.0	6.0	0.6	21.0	12.0	7.0	0.8	26.0	13.0	8.0	0.8	26.0	13.0	8.0	0.8
154	0.15	16.0	11.0	7.0	0.6	16.0	11.0	7.0	0.6	21.0	14.0	8.0	0.8	26.0	15.0	9.0	0.8	26.0	15.0	9.0	0.8
224	0.22	21.0	11.0	7.0	0.8	21.0	11.0	7.0	0.8	21.0	15.0	9.0	0.8	26.0	16.0	9.0	0.8	26.0	16.0	9.0	0.8
334	0.33	21.0	13.0	8.0	0.8	21.0	13.0	8.0	0.8	26.0	16.0	10.0	0.8	32.0	20.0	12.0	0.8	32.0	20.0	12.0	0.8
474	0.47	21.0	14.0	8.0	0.8	21.0	14.0	8.0	0.8	32.0	15.0	9.0	0.8	32.0	23.0	14.0	0.8	32.0	23.0	14.0	0.8
684	0.68	26.0	14.0	8.0	0.8	26.0	14.0	8.0	0.8	32.0	17.0	10.0	0.8	32.0	25.0	16.0	0.8	32.0	25.0	16.0	0.8
105	1.0	26.0	15.0	10.0	0.8	26.0	15.0	10.0	0.8	32.0	20.0	13.0	0.8	32.0	27.0	18.0	0.8	32.0	27.0	18.0	0.8
155	1.5	26.0	18.0	11.0	0.8	26.0	18.0	11.0	0.8	32.0	23.0	15.0	0.8	ii	ii	ii		ii	ii	ii	
225	2.2	32.0	20.0	12.0	0.8	32.0	20.0	12.0	0.8	ii	ii	ii	ii	ii	ii	ii		ii	ii	ii	
335	3.3	32.0	22.0	13.5	0.8	32.0	22.0	13.5	0.8	ii	ii	ii	ii	ii	ii	ii		ii	ii	ii	
475	4.7	32.0	25.0	17.0	0.8	32.0	25.0	17.0	0.8	ii	ii	ii	ii	ii	ii	ii		ii	ii	ii	
685	6.8	32.0	29.0	20.0	0.8	32.0	29.0	20.0	0.8	ii	ii	ii	ii	ii	ii	ii		ii	ii	ii	