GD ELECTRONICS S.R.L.

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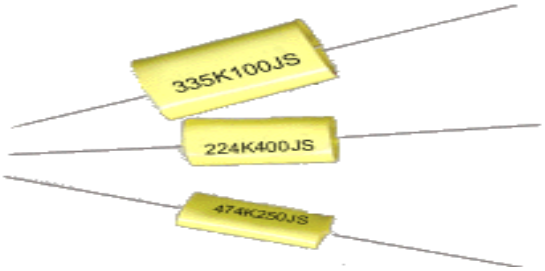
MEA Metallized Polyester Film Capacitor (Oval)

CONSTRUCTION

* Polyester film dielectric with vacuumevaporated metal electrodes,axial leads of tined wire are electrically welded to the contact metal layer of the ends of capacitor winding out wrapped with Mylar tape and ends sealed with expoxy resin.



FEATURE

- Non-inductive construction
- Self-healing
- High property moisture resistance
- 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.

SPECIFICATIONS

RoHS Compliant

Dielectric	Polyester film
Electrodes	Vacuum evaporated metal
Coating	Out wrapped with Mylar tape and ends sealed with epoxy resin
Leads	Radial leads of tinned wire
Reference Standard	IEC 384-2 grade I; SJ/T 10873-1996
Temperature Range	55/85/21 (From 85ºC up to 105ºC with derating voltage 1.25%/ºC)
Capacitance VersusRated voltage(U_R)	100VDC 0.01μF --- 25μF 250VDC 0.01μF --- 1.8μF 400VDC 0.01μF --- 6.8μF 630VDC 0.01μF --- 6.8μF
Capacitance Tolerance	M= ±20% K= ±10% J= ±5%
Dissipation Factor (Tangent of Loss)	DF≤1.0% (at 20ºC 1KHz)
Voltage Proof	1.6 * U_R (5s at 20ºC)
Insulation Resistance	C≤0.33μF; IR≥15000MΩ C>0.33μF; IR*C≥3000S (1minute at 20°C and RH≤65%)
Endurance	1000hours with 125% of rated voltage at 85ºC after the Test: △C/C≤8%;△DF≤0.30% (C>1μF) △DF≤0.50% (C≤1μF) IR≥0.5% of the specified value (20°C 1KHz)

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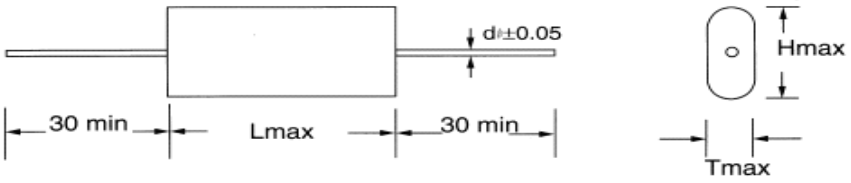
OUTLINE DRAWING



DIMENSION (SPECIAL SIZE OR ITEMS ON REQUEST)
Uint:mm

CAPACITANCE		100VDC				250VDC				400VDC				630VDC			
SYMBOL	μF	L	H	T	dF	L	H	T	dF	L	H	T	dF	L	H	T	dF
103	0.010	16.0	6.0	4.0	0.6	16.0	6.0	4.0	0.6	16.0	6.0	4.0	0.6	16.0	7.0	4.5	0.6
153	0.015	16.0	6.0	4.0	0.6	16.0	6.0	4.0	0.6	16.0	6.0	4.0	0.6	16.0	7.0	4.5	0.6
223	0.022	16.0	6.0	4.0	0.6	16.0	6.0	4.0	0.6	16.0	8.0	4.0	0.6	16.0	9.0	5.0	0.6
333	0.033	16.0	6.0	4.0	0.6	16.0	6.0	4.0	0.6	16.0	8.0	4.0	0.6	16.0	9.0	5.0	0.6
473	0.047	16.0	6.0	4.0	0.6	16.0	6.0	4.0	0.6	16.0	8.0	5.0	0.8	16.0	10.0	6.0	0.6
683	0.068	16.0	6.0	4.0	0.6	16.0	6.0	4.0	0.6	16.0	9.0	5.0	0.8	21.0	11.0	7.0	0.8
104	0.10	16.0	7.0	4.0	0.6	16.0	7.0	4.0	0.6	21.0	9.0	5.0	0.8	21.0	12.0	8.0	0.8
154	0.15	16.0	8.0	4.0	0.6	16.0	8.0	4.0	0.6	21.0	10.0	6.0	0.8	26.0	13.0	8.0	0.8
224	0.22	16.0	8.0	5.0	0.6	16.0	9.0	5.0	0.6	21.0	12.0	7.0	0.8	26.0	15.0	9.0	0.8
334	0.33	16.0	9.0	6.0	0.6	21.0	10.0	6.0	0.8	21.0 26.0	15.0 13.0	9.0 8.0	0.8 0.8	26.0	16.0	11.0	0.8
474	0.47	16.0	10.0	7.0	0.6	21.0	10.5	6.5	0.8	26.0	14.0	8.0	0.8	32.0	17.0	12.0	0.8
684	0.68	21.0	11.0	6.0	0.8	26.0	11.0	6.5	0.8	26.0	16.0	9.0	0.8	32.0	20.0	16.0	0.8
105	1.0	21.0	12.0	7.0	0.8	26.0	12.5	7.0	0.8	32.0	18.0	10.0	0.8	32.0	25.0	19.5	0.8
155	1.5	21.0	12.0	7.0	0.8	26.0 32.0	16.0 14.0	9.0 8.0	0.8 0.8	32.0	19.0	11.0	0.8				
225	2.2	21.0 26.0	17.0 16.0	11.0 9.0	0.8 0.8	26.0 32.0	18.0 16.5	10.0 9.0	0.8 0.8								
335	3.3	26.0	17.5	9.5	0.8	32.0	19.0	12.0	0.8								
475	4.7	32.0	18.0	11.0	0.8	32.0 36.0	24.0 21.0	14.0 11.0	0.8 0.8								
685	6.8	32.0	20.0	11.0	0.8	36.0	24.0	13.5	0.8								
106	10	32.0	24.0	12.5	0.8	46.0	25.0	14.0									
126	12	32.0	25.5	14.0	0.8	46.0	28.0	15.5									
156	15	32.0	25.5	16.0	0.8	46.0	30.0	17.5									
186	18	32.0	28.5	17.0	0.8	46.0	32.0	19.5									
226	22	32.0	30.0	18.5	0.8												
256	25	32.0	31.0	20.0	0.8												