GD ELECTRONICS S.R.L.

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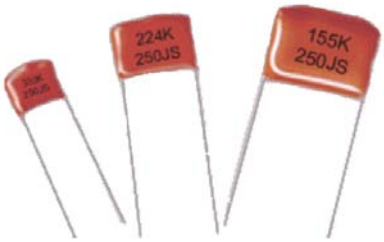
PEN Polyester Film / Foil Capacitor (Non-inductive)

CONSTRUCITON

* Polyester film dielectric with vacuumevaporated metal electrodes,radial leads of tined wire are electrically welded to the contact metal layer of the ends of capacitor winding,expoxy resin coating.



FEATURE

* Hig stability of capacitance and DF versus temperaturs and frequency
* High IR
* Non-inductive construction
* High pulse rise rate(du/dt) and suitable for large current circuit

APPLICATION

* Most suitable for high frequency large current circuit
* Widely used in high frequency,high voltage DC and pulse circuits
* Filter and noise suppression circuit

SPECIFICATIONS

RoHS Compliant

Dielectric	Polyester film
Electrodes	Alluminum foil
Coating	Epoxy resin coating
Leads	Radial leads of tinned wire
Reference Standard	IEC 384-2 grade I; SJ/T 10787-1996
Climatic Catalogue	55/085/21
Capacitance Versus Rated(U_R)	100VDC 0.001μF --- 0.47μF; 250VDC 0.001μF --- 0.47μF 400VDC 0.001μF --- 0.33μF; 630VDC 0.001μF --- 0.22μF
Capacitance Tolerance	M= ±20% K= ±10% J= ±5%
Dissipation Factor (Tangent Of Loss)	DF≤1.0% (at 20°C 1KHz)
Voltage Proof	2.0* U_R (1 minute at 20°C and RH≤65%)
Insulation Resistance	C≤0.33μF IR≥15000MΩ C>0.33μF IR*C≥3000S (1minute at 20℃ and RH≤65%)
Endurance	2000 hours with 150% of rated voltage at 85°C.After the test: △C/C≤5%; △DF≤1% C≤0.33μF IR≥30000MΩ; C>0.33μF IR*C≥10000S (20°C 1KHz)

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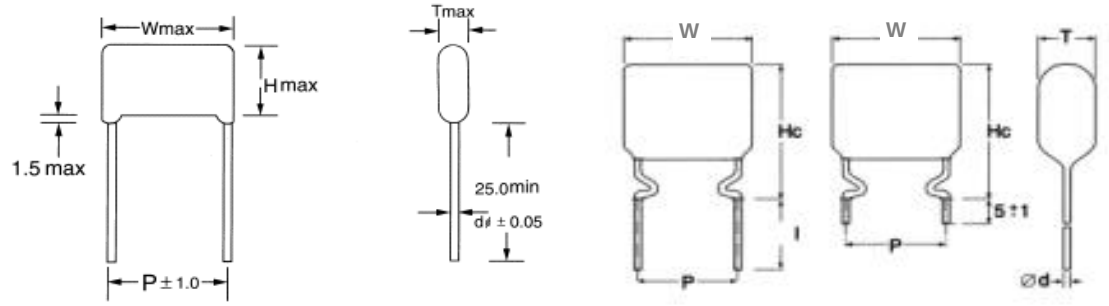
OUTLINE DRAWING



DIMENSION (SPECIAL SIZE OR ITEMS ON REQUEST)

Unit:mm

CAPACITANCE		100VDC					250VDC					400VDC					630VDC				
symbol	μF	W	H	T	P	d	W	H	T	P	d	W	H	T	P	d	W	H	T	P	d
102	0.0010	10.0	10.0	6.0	7.5	0.6	10.0	10.0	6.0	7.5	0.6	10.0	10.0	6.0	7.5	0.6	10.0	10.0	6.0	7.5	0.6
152	0.0015	10.0	10.0	6.0	7.5	0.6	10.0	10.0	6.0	7.5	0.6	10.0	10.0	6.0	7.5	0.6	10.0	10.0	6.0	7.5	0.6
222	0.0022	10.0	10.0	6.0	7.5	0.6	10.0	10.0	6.0	7.5	0.6	10.0	10.0	6.0	7.5	0.6	10.0	10.0	6.0	7.5	0.6
332	0.0033	10.0	10.0	6.0	7.5	0.6	10.0	10.0	6.0	7.5	0.6	10.0	10.0	6.0	7.5	0.6	10.0	10.0	6.0	7.5	0.6
472	0.0047	10.0	10.0	6.0	7.5	0.6	10.0	10.0	6.0	7.5	0.6	10.0	10.0	6.0	7.5	0.6	10.0	10.0	6.0	7.5	0.6
682	0.0068	10.0	10.0	6.0	7.5	0.6	10.0	10.0	6.0	7.5	0.6	10.0	10.0	6.0	7.5	0.6	10.0	10.0	6.0	7.5	0.6
103	0.010	10.0	10.0	6.0	7.5	0.6	10.0	10.0	6.0	7.5	0.6	10.0	10.0	6.0	7.5	0.6	14.0	11.5	7.0	10.0	0.6
153	0.015	14.0	10.0	7.0	10.0	0.6	14.0	10.0	7.0	10.0	0.6	14.0	10.0	7.0	10.0	0.6	14.0	11.5	7.0	10.0	0.6
223	0.022	14.0	11.0	7.0	10.0	0.6	14.0	10.0	7.0	10.0	0.6	14.0	10.0	7.0	10.0	0.6	14.0	13.5	9.0	10.0	0.6
333	0.033	14.0	11.0	7.0	10.0	0.6	14.0	10.0	7.0	10.0	0.6	14.0	10.0	7.0	10.0	0.6	14.0	15.0	9.0	10.0	0.6
473	0.047	14.0	12.0	7.0	10.0	0.6	14.0	11.0	7.0	10.0	0.6	18.0	13.0	8.5	15.0	0.8	23.0	15.0	8.5	20.0	0.8
683	0.068	14.0	14.0	6.5	10.0	0.6	18.0	13.0	8.5	15.0	0.8	23.0	15.0	8.0	20.0	0.8	23.0	17.0	9.0	20.0	0.8
104	0.10	14.0	14.0	7.0	10.0	0.6	23.0	15.0	8.0	20.0	0.8	23.0	16.0	9.0	20.0	0.8	23.0	19.0	10.5	20.0	0.8
154	0.15	18.0	13.0	8.0	15.0	0.8	23.0	16.0	9.0	20.0	0.8	31.0	18.0	9.0	27.5	0.8	31.0	19.0	11.0	27.5	0.8
224	0.22	18.0	16.0	11.5	15.0	0.8	23.0	18.0	11.0	20.0	0.8	31.0	19.0	10.0	27.5	0.8	31.0	23.0	14.0	27.5	0.8
334	0.33	23.0	19.0	11.0	20.0	0.8	31.0	19.0	10.0	27.5	0.8	31.0	21.5	13.5	27.5	0.8					
474	0.47	23.0	21.0	12.5	20.0	0.8	31.0	21.0	12.0	27.5	0.8										