GD ELECTRONICS S.R.L.

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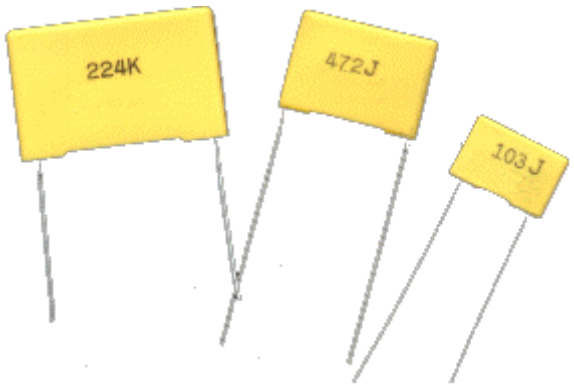
PPS(BOX)-Metallized Polypropylene Film / Foil Capacitor (High Voltage)

CONSTRUCTION

* Polypropylene film dielectric with alluminum foils as outer electrodes and vacuum evaporated metal layer as inner series electrode,radial leads of tinned wire are electrically welded to the contact metal layer on the ends of capacitor winding, encased in a flame resistant plastic case and sealed with expoxy resin.



FEATURE

* High stability of capacitance and DF versus temperature and frequency.
* Special series construction for high voltage and long-term ability.
* High pulse rise rate(du/dt) and suitable for large current circit.

APPLICATION

* Most suitable for high voltage and pulse in the horizontal resonance circuit of colour TV set

SPECIFICATIONS

RoHS Compliant

Dielectric	Polypropylene film
Electrodes	Aluminium foil as outer electrodes and vavuum evaporated metal layer as inner series electrode
Coating	Encapsulated in reinforced flame retardant plastic case sealed with epoxy resin meeting the requirement of UL94V-0
Leads	Radial leads of tinned wire
Reference Standard	IEC 384-17 ; GB 14579-1993
Temperature Range	40/85/21
Capacitance Versus Rated voltage(U_R)	1000VDC 0.001μF --- 0.10μF 1600VDC 0.001μF --- 0.047μF 2000VDC 0.001μF --- 0.022μF
Capacitance Tolerance	M= ±20% K= ±10% J= ±5%
Dissipation Factor (Tangent of Loss)	DF<=0.10% (at 20ºC 1KHz)
Voltage Proof	2.0 * U_R (1 minute at 20ºC)
Insulation Resistance	C≤0.10μF IR≥30000 MΩ (1 minute at 20ºC and RH≤65%)
Endurance	1000hours with 125% of rated voltage at 85ºC after the Test: △C/C≤10%; △DF≤0.30% IR≥0.5% of the specified value (20℃ 1KHz)

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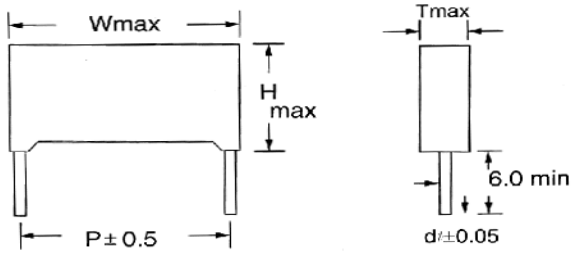
OUTLINE DRAWING



DIMENSION (SPECIAL SIZE OR ITEMS ON REQUEST)

Unit:mm

CAPACITANCE		1000VDC					16000VDC					2000VDC				
SYMBOL	μF	W	H	T	P	d	W	H	T	P	d	W	H	T	P	d
102	0.0010	19.0	14.0	10.0	15.0	0.8	19.0	15.0	11.0	15.0	0.8	24.0	16.0	11.0	22.0	0.8
							24.0	15.0	10.0	22.0	0.8					
152	0.0015	19.0	14.0	10.0	15.0	0.8	19.0	16.0	12.0	15.0	0.8	24.0	16.0	11.0	22.0	0.8
							24.0	15.0	10.0	22.0	0.8					
222	0.0022	19.0	14.0	10.0	15.0	0.8	19.0	17.0	13.0	15.0	0.8	24.0	17.0	12.0	22.0	0.8
							24.0	15.0	10.0	22.0	0.8					
332	0.0033	19.0	14.0	10.0	15.0	0.8	24.0	16.0	12.0	22.0	0.8	24.0	17.0	12.5	22.0	0.8
472	0.0047	19.0	15.0	11.0	15.0	0.8	24.0	16.0	12.5	22.0	0.8	24.0	18.0	13.0	22.0	0.8
682	0.0068	19.0	16.0	12.0	15.0	0.8	24.0	16.5	12.5	22.0	0.8	24.0	18.0	13.5	22.0	0.8
		24.0	14.0	10.0	22.0	0.8										
103	0.010	24.0	15.0	10.0	22.0	0.8	24.0	18.0	13.0	22.0	0.8	31.0	19.0	14.0	27.5	0.8
153	0.015	24.0	16.0	11.0	22.0	0.8	31.0	20.0	15.0	27.5	0.8	31.0	21.5	15.0	27.5	0.8
223	0.022	24.0	18.0	12.0	22.0	0.8	31.0	22.5	17.0	27.5	0.8	31.0	25.0	17.5	27.5	0.8
333	0.033	31.0	20.5	14.0	27.5	0.8	31.0	25.0	19.0	27.5	0.8					
473	0.047	31.0	24.	16.0	27.5	0.8	31.0	28.0	20.0	27.5	0.8					
683	0.068	31.0	28.0	17.0	27.5	0.8										
104	0.10	31.0	30.5	18.5	27.5	0.8										