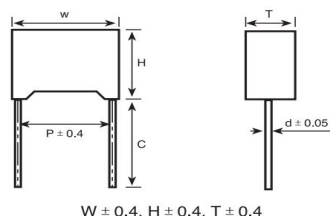


Double sided metallized polypropylene film capacitor (Box-type)

■ Outline Drawing



■ Features

- Doublesided meatallized pplypropylene structure
- Low loss and small inherent temperature rise
- NegatiVe temperature coefficient of capacitance
- Exellent active and passive flame resistant circuit

■ Typical Applications

- Widely used in high voltage, high frequency and pulse circuit
- Lamp capacitor for electronic ballast compact lamps
- SNUBBER and SCR commutaing circuits

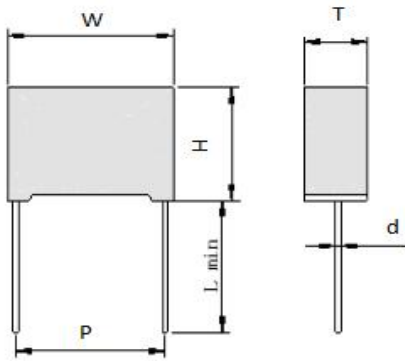
■ Specifications

Reference Standard	GB/T 10190(IEC 60384-16)	
Climatic Category	40/105/56	
Rated Temperature Range	85°C for V_R (DC); 75°C for V_R (AC)	
Operating Temperature Range	-40°C~105°C (+85°C to +105°C: decreasing factor 1.25% per °C for V_R (DC)) (+75°C to +105°C: decreasing factor 1.25% per °C for V_R (AC))	
Rated Voltage	250V, 400V, 630V, 1000V, 1600V, 2000V,2500V,3000V	
Capacitance Range	0.00022uF~3.9uF	
Capacitance Tolerance	±2%(G), ±3%(H), ±5%(J), ±10%(K), ±20%(M)	
Voltage Proof	1.60 U_R (5S)	
Voltage Proof	≅0.0010 (1KHz, 20°C)	
Insulation Resistance	≅ 10 000MΩ ≅ 1 5000S	C_R ≅ 0.33uF C_R > 0.33uF (20°C, 100V, 1min)

Double sided metallized polypropylene film capacitor (Box-type)

■ Capacitor Structure

- With polypropylene fine dielectric, pole with double sided metallized polyester fine, twain section spray-metal form Non-inductive configuration, Electrode lead unilateralism fetch out and fame retardant epoxy resin dip sealed.



	CAP (uF)	VDC	VAC	W*H*T(±1mm)	Φd ±0.05mm	laser printer front	L (Min-mm)	P ±0.5mm
MKP102J2000DP15T5GR-01	0.001	2000V	700	18*11*5.0	0.8CU	MMKP82 102J2000V	18	15
MKP182J2000DP15T5GR-01	0.0018	2000V	700	18*11*5.0	0.8CU	MMKP82 182J2000V	18	15
MKP682J2000DP15T6GR-01	0.0068	2000V	700	18*12*6.0	0.8CU	MMKP82 682J2000V	18	15
MKP152J2000DP15T5GR-01	0.0015	2000V	700	18*11*5.0	0.8CU	MMKP82 152J2000V	18	15
MKP471J2000DP15T5GR-01	0.00047	2000V	700	18*11*5.0	0.8CU	MMKP82 471J2000V	18	15

Remark: The above products adopt double-sided metallized film series structure, gray box gray glue.

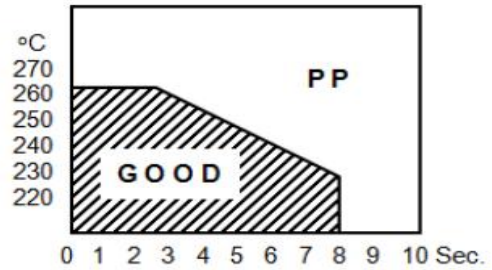
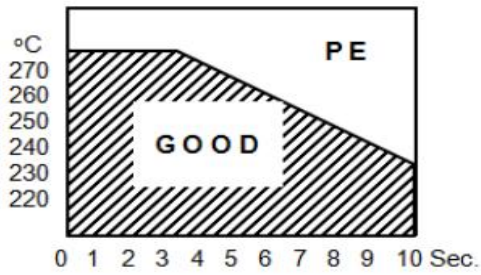
Capacitance	0.001uF, 0.0018uF, 0.0068uF ,0.0015uF , 0.00047uF
Rated Voltage	2000VDC
Voltage AC	700VAC
Dissipation Factor	0.08%
Irms max	4.2Amps (200KHz 70°C)
Ipeak A	6.2A (200KHz 70°C)



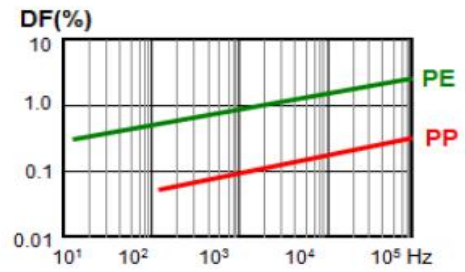
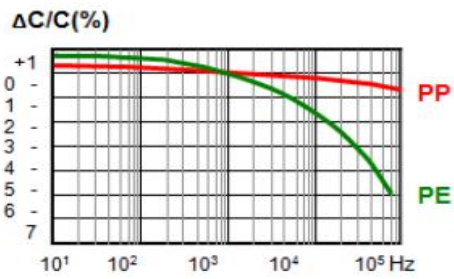
: Max dv/dt (V/μs)

	UR(V)	dV/dt(V/us)				
		P=7.5	P=10	P=15	P=22.5	P=27.5
<p>If the working voltage(U) is lower than the rated voltage(UR), the capacitor can be worked at a higher dV/dt. In this case, the maximum allowed dV/dt is obtain by multiplying the right value with UR/U.</p>	250	1000	800	500	200	200
	400	1600	1200	800	400	300
	630	3000	3000	2200	1200	800
	1000	5800	5800	3000	1800	900
	1600	--	--	5800	2800	1800
	2000	--	--	8000	4800	2000

Soldering Temperature VS Time



Frequency Characteristics



Temperature Characteristics

