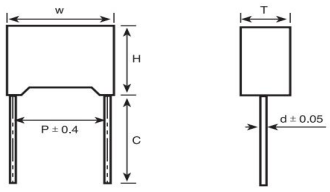
SPECIFICATIONS FOR APPROVAL

DESCRIPTION Double sided metellized polypropylene film capacitor (Box-type)

MMKP82

Double sided metellized polypropylene film capacitor (Box-type)

Outilne Drawing



W ± 0.4, H ± 0.4, T ± 0.4

This product is gray plastic shell, gray epoxy resin

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 frenquency 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 Temperrature Range	85℃ for V_R(DC); 75℃ for V_R(AC)
Operating Temperature Range	-40℃~105℃ (+85℃ to +105℃: decreasing factor 1.25% per ℃ for V_R (DC)) (+75℃ to +105℃: decreasing factor 1.25% per ℃ 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	1.60U_R (5S)
Voltage Proof	≦0.0010 (1KHz, 20℃)
缘 Insulation Resistance	≧10 000MΩ C_R≦0.33uF ≧1 5000S C_R>0.33uF (20℃, 100V, 1min)

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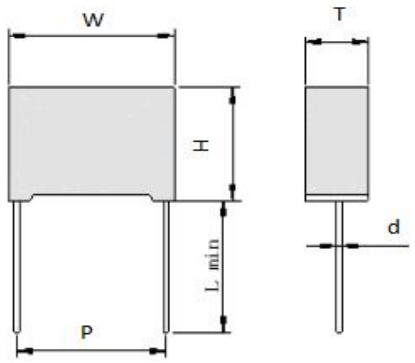
■ Capacitor Structure

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



	CAP (uF)	VDC	VAC	W*H*T(±1mm)	Φd ±0.05mm	laser printer front	L (Min-mm)	P ±0.5mm
MKP334J1600DP27.5T17GR-01	0.33	1600V	650	32*28*17	0.8CU	MMKP82 334J1600V	18	27.5

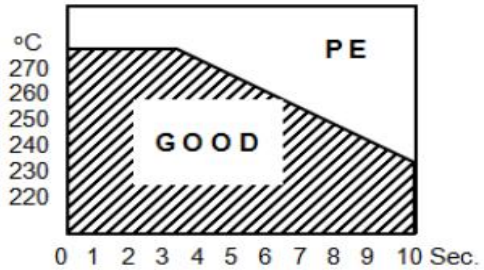
Remark: The above products adopt double-sided metallized film series structure, gray box gray glue.

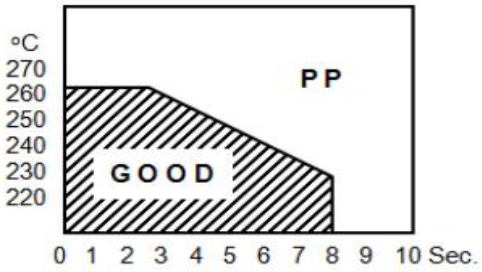
Capacitance	0.33uF
Rated Voltage	1600VDC
Voltage AC	650VAC
Dissipation Factor	0.08%
Irms max	10Amps（120KHz 70℃）
Ipeak A	14.4A（120KHz 70℃）

- **Max dv/dt (V/µs)**

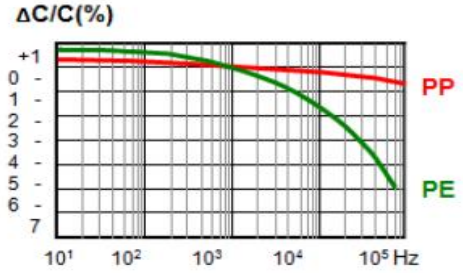
	U_R(V)	dV/dt(V/us)				
		P=7.5	P=10	P=15	P=22.5	P=27.5
If the working voltage(U) is lower than the rated voltage(U_R), the capacitor can be worked at a higher dV/dt. In this case, the maximum allowed dV/dt is obtain by multiplying the right value with U_R/U.	250	1000	800	500	200	200
	400	1600	1200	800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

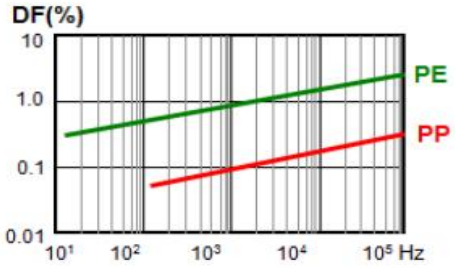
Soldering Temperature VS Time





Frequency Characteristics





Temperature Characteristics