Double-Sided Metallized Polypropylene Film Circular Axial Capacitor

Suntan®

TS04S

FEATURES

- Double sided metallized polypropylene structure
- Low loss and small inherent temperature rise
- Negative temperature coefficient of capacitance
- Excellent active and passive flame resistant circuit

TYPICAL APPLICATIONS

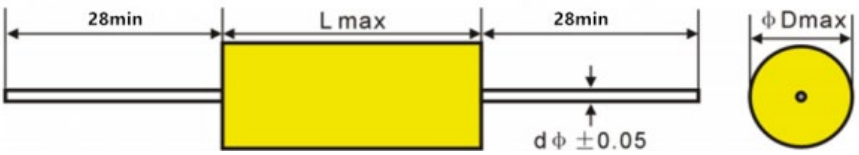
- Widely used in high voltage, high frequency and pulse circuit
- Lamp capacitor for electronic ballast compact lamps
- SNUBBER and SCR commutation circuits

CAPACITOR STRUCTURE

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

SPECIFICATIONS

Reference Standard	IEC 61071	
Climatic Category	40/105/56	
Rated Temperature 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	
Capacitance Range	0.00022uF~3.9uF	
Capacitance Tolerance	±2%, ±3%, ±5%, ±10%, ±20%	
Voltage Proof	1.60U_R (5S)	
Dissipation Factor	≦0.0010 （1KHz，20℃）	
Insulation Resistance	≧50 000MΩ C_R≦0.33uF	(20℃, 100V, 1min)
	≧1 5000S C_R>0.33uF	



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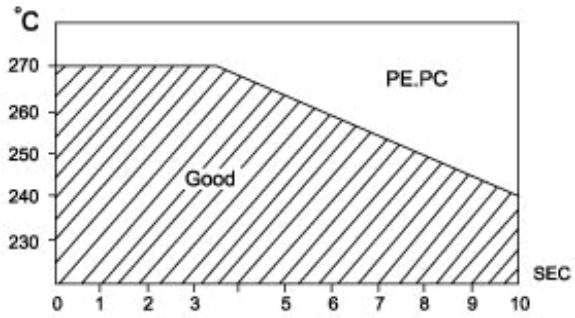
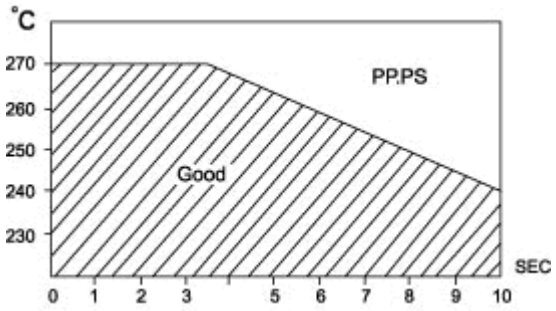
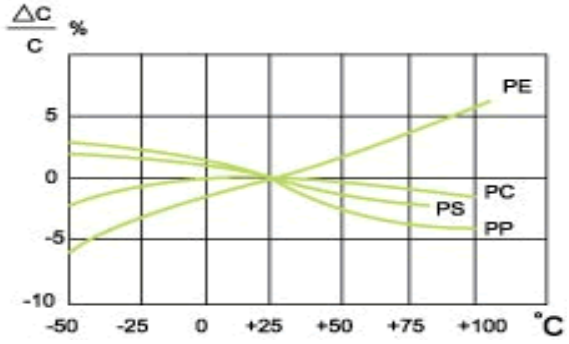
Electrical Characteristics of Film Capacitor

1. Soldering Temperature VS Time

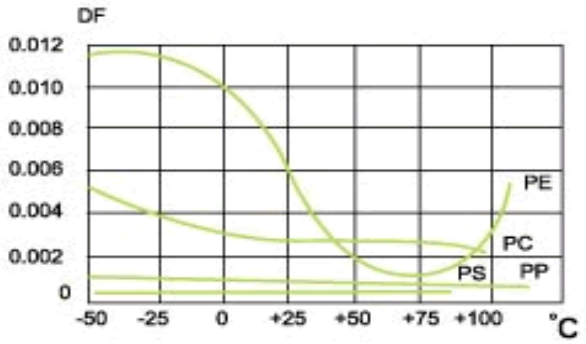




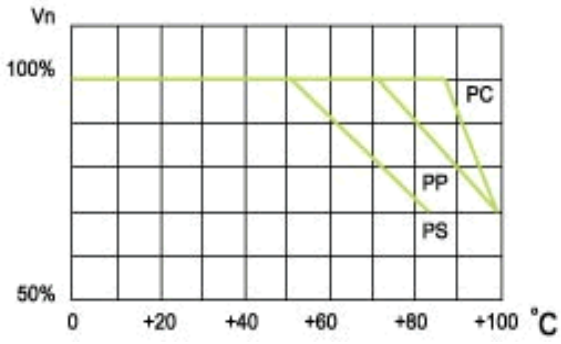
2. Temperature Characteristic



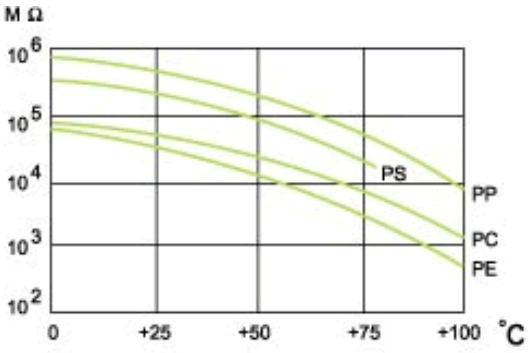
Capacitance vs. Temperature



Dissipation Factor vs. Temperature

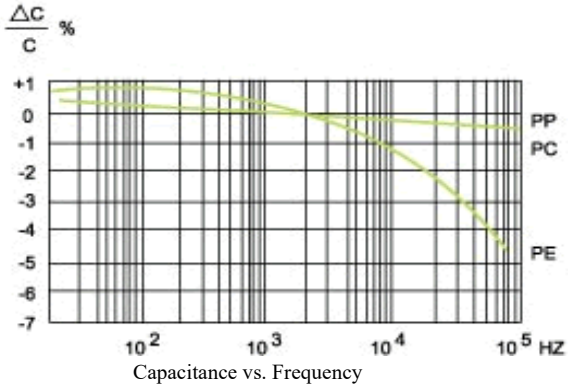


Operation voltage vs. Temperature

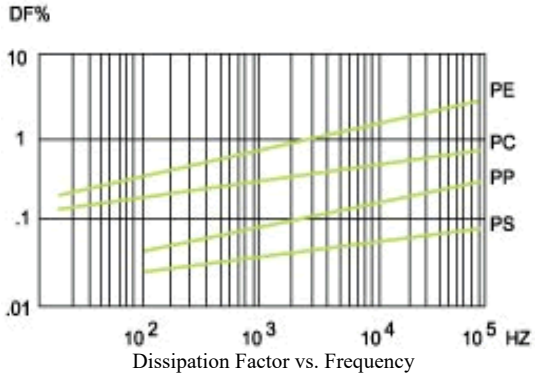


(CR value) IR vs. Temperature

3. Frequency Characteristics



Capacitance vs. Frequency



Dissipation Factor vs. Frequency

Note: Specifications are subject to change without notice. For more detail and update, please visit our website.