

Kingtronics®

FKT-SA

Double-Sided Metallized Polypropylene Film Circular Axial Capacitor

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

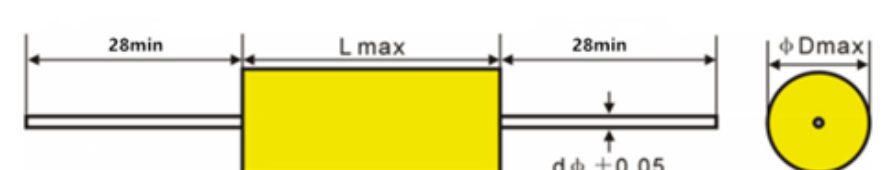
- ◆ Widely used in high voltage, high frequency and pulse circuit
- ◆ Lamp capacitor for electronic ballast compact lamps
- ◆ SNUBBER and SCR commutation circuits

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°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	
Capacitance Range	0.00022uF~3.9uF	
Capacitance Tolerance	±2%, ±3%, ±5%, ±10%, ±20%	
Voltage Proof	1.60UR (5S)	
Dissipation Factor	≤0.0010 (1KHz · 20°C)	
Insulation Resistance	≥50 000MΩ $C_R \leq 0.33\mu F$	(20°C, 100V, 1min)
	≥1 5000S $C_R > 0.33\mu F$	



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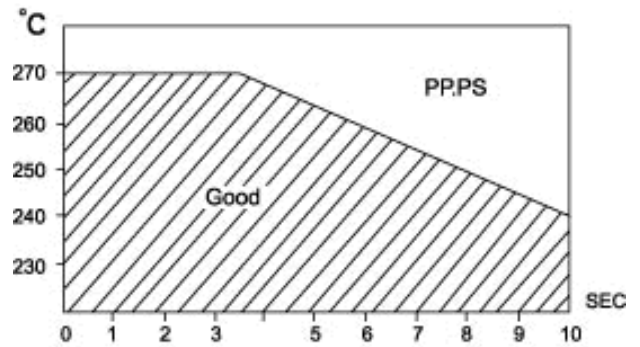
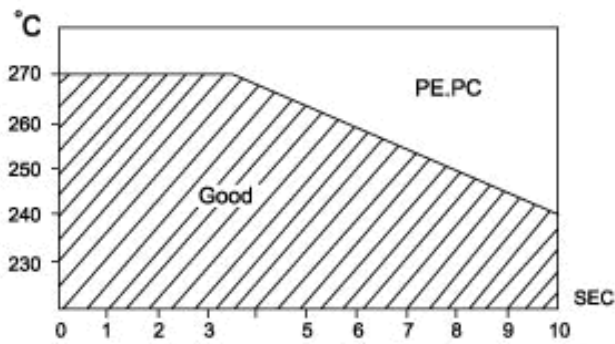
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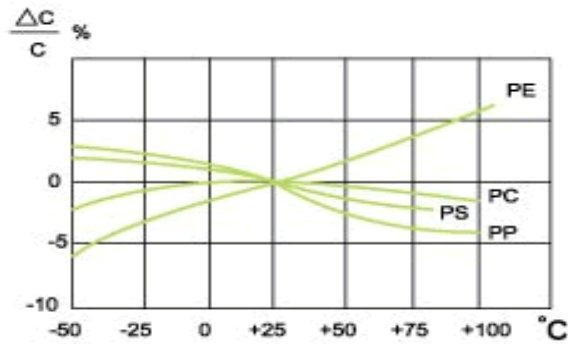
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Electrical Characteristics of Film Capacitor

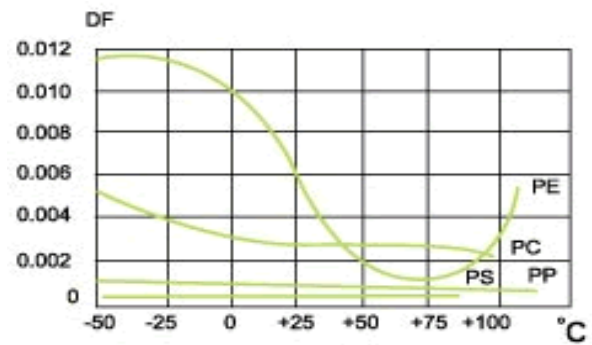
1. Soldering Temperature VS Time



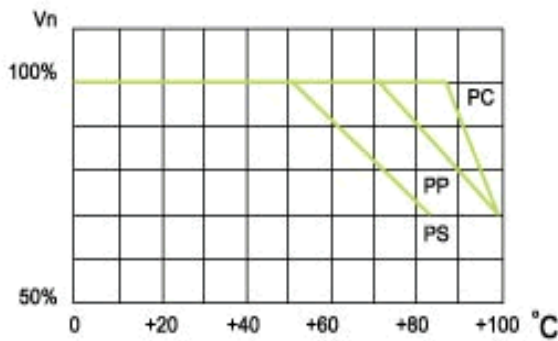
2. Temperature Characteristic



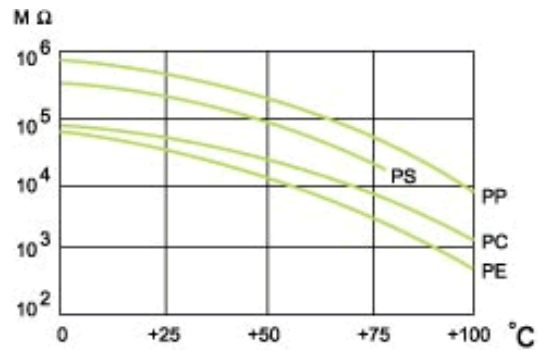
Capacitance vs. Temperature



Dissipation Factor vs. Temperature



Operation voltage vs. Temperature



(CR value) IR vs. Temperature

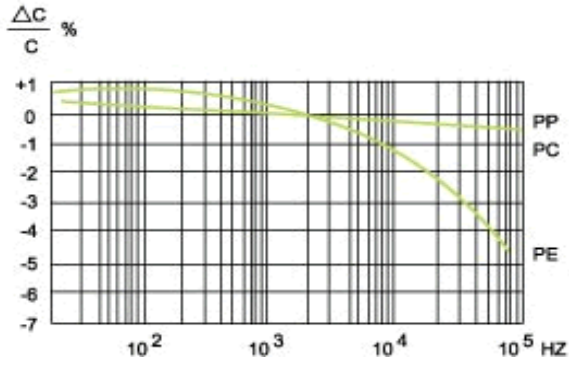
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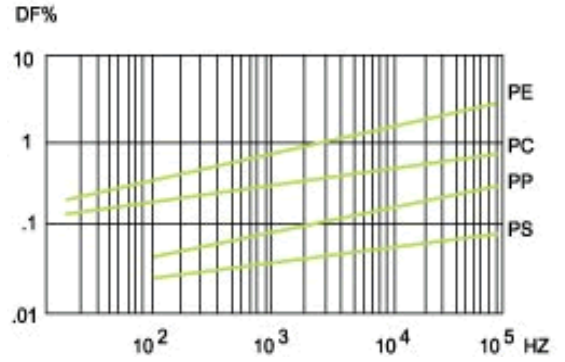
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3. Frequency Characteristics



Capacitance vs. Frequency



Dissipation Factor vs. Frequency

Note: Specifications are subject to change without notice.