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Characteristics of polyphenylene sulfide capacitors

What are Polyphenylene sulfide film capacitors?
Polyphenylene sulfide film capacitors are film capacitors with dielectricmade of the thermoplastic,organic,and partially crystalline polymer material Poly (p-phenylene sulfide) (PPS),trade name Torelina. They are only produced as metallized types.

What is a polystyrene film capacitor?
Polystyrene film capacitors,sometimes known as "Styroflex Capacitors",were well known for many years as inexpensive film capacitors for general purpose applications,in which high capacitance stability,low dissipation factor and low leakage currents were needed.

What are the electrical parameters of polypropylene film capacitors?
The temperature and frequency dependencies of electrical parameters for polypropylene film capacitors are very low. Polypropylene film capacitors have a linear,negative temperature coefficient of capacitance of ±2,5 %within their temperature range.

What is the capacitance frequency dependence of polyester film capacitors?
The capacitance frequency dependence of polyester film capacitors compared with the other film capacitors is -3%in the range from 100 Hz to 100 kHz at the upper limit. Also,the temperature and frequency dependence of the dissipation factor are higher for polyester film capacitors compared with the other film capacitor types.

Why are polypropylene film capacitors used in resonant circuits?
Polypropylene film capacitors are specified because of their low electrical losses and their nearly linear behavior over a very wide frequency range,for stabilityClass 1 applications in resonant circuits,comparable only with ceramic capacitors.

What is a Polytetrafluoroethylene film capacitor?
Polytetrafluoroethylene film capacitors are made with a dielectric of the synthetic fluoropolymer polytetrafluoroethylene (PTFE), a hydrophobic solid fluorocarbon. They are manufactured both as metallized and as film/foil types, although poor adherence to the film makes metallization difficult. PTFE is often known by the DuPont trademark Teflon.

An electrostatic (non-polarized) capacitor type having generally favorable parameter stability and loss characteristics relative to other types, a wide variety of construction and material ...

Polyphenylene sulfide (PPS) is a versatile material that gives extruded and molded components the ability to meet exceptionally demanding criteria. This semicrystalline engineering thermoplastic has outstanding thermal stability, superior toughness, inherent flame resistance, and excellent chemical resistance. It also has

high mechanical strength, impact ...

Polyphenylene Sulfide (PPS) Film Capacitors are available at Mouser Electronics. Mouser offers inventory, pricing, & datasheets for Polyphenylene Sulfide (PPS) Film Capacitors.

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One of the main characteristics of our film capacitor comes from the fact that they are not polarized. Due to this design element, they are available for use in both AC power and signal applications. They are also designed to have high ...

Polyphenylene Sulfide (PPS) Film Capacitors. Film capacitors are based on the use of plastic film materials as a dielectric. An electrostatic (non-polarized) capacitor type having generally favorable parameter stability and loss characteristics relative to other types, a wide variety of construction and material variations exist that allow film ...

Film capacitors are based on the use of plastic film materials as a dielectric. An electrostatic (non-polarized) capacitor type having generally favorable parameter stability and loss characteristics relative to other types, a wide variety of construction and material variations exist that allow film capacitors to be adapted for a wide range of purposes, ranging from small-signal applications ...

The Metallized Polyphenylene Sulfide 340D series exhibits superior electrical characteristics over an extremely wide temperature range. The miniature size, high Q, excellent IR and capacitance stability make the 340D series ideally ...

Capacitor films are used in the construction of automotive capacitors, which must withstand harsh environmental conditions and temperature extremes. Polyester and ...

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Polypropylene (KP) films are used in high frequency or high voltage applications due to their very low dissipation factor and high dielectric strength. These films are used in AC and pulse ...

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