

What is a polystyrene capacitor?

Polystyrene capacitors are capacitors that have a dielectric made up of polystyrene. They come only in low values, usually 10pF to 47nF. Normally, their tolerance is 5% to 10% but high precision polystyrene capacitors are also available with tolerances of 1% and 2%. Working voltages for polystyrene capacitors are 30V to 630V.

Where can I buy polystyrene capacitors film capacitors?

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What is the tolerance of polystyrene capacitor?

Normally, their tolerance is 5% to 10% but high precision polystyrene capacitors are also available with tolerances of 1% and 2%. Working voltages for polystyrene capacitors are 30V to 630V. They have a high negative temperature coefficient of -125 parts per million per degree Celsius.

Are polystyrene capacitors good for audio?

However this type of capacitor is not limited to only audio applications, it's perfect for any application that requires a through hole high tolerance capacitor. Polystyrene as a dielectric has many positive properties which include a low dielectric absorption, low distortion, low leakage, high insulation, and excellent temperature stability.

Are polystyrene capacitors suitable for high-frequency applications?

Polystyrene capacitors are constructed like a coil inside, so they are not suitable for high-frequency applications. A note worth noting is that polystyrene capacitors exhibit a permanent change in value should they ever be exposed to temperatures much over 70°C; they do not return to their old value upon cooling.

How do I identify the voltage of a polystyrene film capacitor?

Identifying the voltage of a polystyrene film capacitor is very simple. All you have to do is just take a look at the color of the band on the capacitor. Follow the color code shown in the images below: Note: not all polystyrene film capacitors are color coded, some of them just have plastic sleeves with printed values on their cases.

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The principle features of polystyrene capacitors are low dielectric losses low dielectric absorption, a very good stability over time and a low negative temperature coefficient. These characteristics make it particularly suitable for "time constant" and "filter"

LCR Polystyrene Capacitors are recommended for use in I.F transformers, tuned circuits, pulse networks, laboratory standards, timing circuits, analogue and digital computing circuits and many other applications where superior qualities are used to advantage.

Polystyrene film capacitors are highly regarded by the audiophile community for their low distortion factor, which makes these capacitors really shine in audio applications. Polystyrene capacitors are often used as replacements for ceramic and mica capacitors in audio circuits.

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Type ST12 Polystyrene capacitors excel in performance characteristics such as capacitance stability, linear negative temperature low dielectric absorption, low dissipation factor and high insulation resistance.

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POLYSTYRENE is a superior dielectric material with exceptionally high insulation resistance and low loss. Aluminium foil electrodes are used and terminal wires are welded to them to ensure satisfactory performance at low voltage and high frequency.

LCR Polystyrene Capacitors are recommended for use in I.F transformers, tuned circuits, pulse networks, laboratory standards, timing circuits, analogue and digital computing circuits, audio industries and many other applications where superior qualities are used to advantage. LCR Polystyrene Film Capacitors offer: o Low Temperature Coefficient o Close capacitance ...

Mouser??Polystyrene Capacitors ??????????????

Model 1412-BC Decade Capacitor For decades of polystyrene capacitors and a variable air capacitors are used, mounted in a double-shield box. The double shielding provides 2-terminal and 3-terminal capacitance" that are the same except for the capacitance between the terminals. The variable air capacitor with a linear ?C of 100 pF and a resolution of better than 1 pF ...

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There are several types of film capacitors including polyester film, metallized film, polypropylene film, polycarbonate film, polytetrafluoroethylene (PTFE, sometimes branded as Teflon) film and polystyrene film. How film capacitors work. Like all capacitors, metallized film capacitors incorporate metal plates separated by a dielectric. Film ...

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