

Thin Film Trimmer Capacitors

Thin Film Capacitors are a two pad device for storing a charge of electricity. These devices are composed of thin film layers deposited on a substrate and separated by a dielectric. They range in capacitance of 0.05 pF to 500 mF with a voltage of 2.5 V to 100 V and come in a package size of 0201 to 1210 with a tolerance of ± 0.01 pF to $\pm 5\%$.

Our Thin-Trim capacitors are ideal for applications where size and performance are most critical. These single-turn capacitors exhibit remarkable electrical characteristics for their small size. Useful up to 2 GHz, these trimmers are perfect for low-profile applications.

Each of these film capacitor types will have a different construction to better serve its end application. Exploring film capacitor varieties The film capacitor manufacturing process for three products including plastic box, aluminum can or a customized solution (seen in Figure 2). Within this process, there are key steps to further analyze.

This rework can be avoided by strategic placement of a trimmer capacitor. The Basics of Trimmer Capacitor Design. Trimmer capacitors typically cover a capacitance range of 1 pF to 2 pF but can extend up to 200 pF or more. And while a fixed capacitor is essentially two fixed metal plates - the stator and rotator plates -that hold charge, in ...

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Knowles Trimmers portfolio includes air, glass, sapphire, and PTFE dielectrics that can be used from 1 MHz to over 2 GHz and at voltages up to 20,000 VDC. Trimmers are available in precision Multi-Turn and Half/Single turn formats.

Trimmer Capacitors - Film Dielectric Trimmer / Variable Capacitors are available at Mouser Electronics. Mouser offers inventory, pricing, & datasheets for Trimmer Capacitors - Film Dielectric Trimmer / Variable Capacitors. Skip to Main Content (800) 346-6873. Contact Mouser (USA) (800) 346-6873 | Feedback. Change Location. English. Espa ol \$ USD United States. ...

Thin Film Trimmer Capacitors

Vishay's film capacitors assist energy conversion while providing low losses, high efficiency, and long life. Discover the full range of products with our product overviews: [DC-Link](#) | [RFI](#) | [AC](#)

Trimmers, Film, Capacitors manufactured by Vishay, a global leader for semiconductors and passive electronic components.

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Film Trim Capacitors offer a low cost Variable Trimmer Capacitor alternative. In multiple dielectrics and sizes, and wide capacitance ranges.

Knowles Trimmers portfolio includes air, glass, sapphire, and PTFE dielectrics that can be ...

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Thin-film capacitors were prepared from sputtered tantalum nitride thin films (TaN capacitors). The dielectric was formed by anodic oxidation and the counterelectrode was deposited by evaporation of nichrome-gold. The TaN capacitors excelled the usual TM capacitors in various properties. The temperature coefficient of capacitance was 129 ppm/°C and the dissipation factor was 0.0014 ...

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