

What types of tantalum capacitors are available?

Our solid polymertantalum capacitors are exclusively available in SMD formats. In addition to these, Exxelia offers wet tantalum capacitors designed for high-temperature applications up to 200°C, making them particularly suitable for the demanding environments of the oil and gas industry.

Where can I buy a tantalum refractory capacitor?

Admat, Inc., located in Norristown, PA, distributes tantalum hybrid capacitors as well as capacitor lead sealing. It also offers other refractory metal products and parts.

What are surface mount tantalum capacitors used for?

Surface mount tantalum capacitors are used for power supply filtering in computer motherboards and cell phones due to their long-term stability and small size. Tantalum electrolytic capacitors are suitable for storing electrical energy and also for passing or bypassing low-frequency signals due to their large capacitance.

Are tantalum capacitors polarized or bipolar?

(At 10kHz its capacity drops by less than 20%) Note: Normally it is a polarized capacitor. To make it non-polarized or bipolar, two tantalum capacitors are connected in series and their anodes are oriented in the opposite direction. Why do tantalum capacitors fail? The unfavorable failure mode is one of their major drawbacks.

What are Tantalum capacitors used for?

Tantalum capacitors are renowned for their superior charge capacity per volume, coupled with exceptional reliability and durability. They find applications in consumer electronics as well as in more specialized domains such as space exploration, aviation electronics, defense systems, and rail transportation.

What type of capacitor does Exxelia make?

Exxelia develops both solid and wet tantalum capacitors. A tantalum capacitor is a specific type of electrolytic capacitor. It is made from a metal called tantalum, which is where it gets its name. Tantalum acts as an anode. The capacitor itself is covered in a thin layer of oxide, which allows it to act as the dielectric.

Learn how to achieve higher power levels with limited PCB area using Vishay's custom solution of stacked T54 polymer capacitors. Experience space savings, improved electrical performance, ...

Wet Tantalum Capacitors, Extended Capacitance, Tantalum Case With Glass-to-Tantalum Hermetic Seal for -55 °C to +125 °C ... Custom Capacitors resistors. Fixed ... Model T16 ...

We have been fully focused on the R&D of Tantalum Electrolytic Capacitor for decades. Actively develop new capacitors, commit to high-quality and efficient production. 86-595 ... you consent ...

Vishay meets special customer requirements for capacitors by providing customized, customer-specific and application-specific products. These are available across Vishay's broad range of ...

We have been fully focused on the R& D of Electrolytic Capacitors Polymer Tantalum for decades. Actively develop new capacitors, commit to high-quality and efficient production. 86-595 ... you ...

Tantalum capacitors are a type of electrolytic capacitor that uses tantalum metal as the anode. These capacitors are known for their high capacitance values in a small form ...

We have been fully focused on the R& D of High-Temperature Tantalum Capacitor for decades. Actively develop new capacitors, commit to high-quality and efficient production. 86-595 ... you ...

The Flexible Termination Chip Multilayer Ceramic Capacitors; Tantalum Capacitor. Polymer Tantalum Solid Electrolytic Chip Capacitor; Hermetically Sealed High Energy Tantalum ...

We have been fully focused on the R& D of tantalum polymer capacitor for decades. Actively develop new capacitors, commit to high-quality and efficient production. 86-595-22353515/ ...

Exxelia's MML Series capacitors boast several key features: High Energy Density and High Temperature Capability: Operates effectively up to 140°C.; Size and Weight Reduction: Up to ...

We have been fully focused on the R& D of High-Stability Tantalum Capacitors for decades. Actively develop new capacitors, commit to high-quality and efficient production. 86-595 ... you ...

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