

What are the brands of tantalum capacitors

What is a tantalum capacitor?

A tantalum capacitor is an electrolytic capacitor that utilizes tantalum metal and exhibits remarkable performance characteristics in a compact form. In general, tantalum electrolytic capacitors offer high capacitance and stability. Tantalum capacitors find applications across a spectrum of electronic devices, from smartphones to medical equipment.

What are tantalum capacitor markings?

By using tantalum capacitor markings on the body of a component, one can easily identify the positive and negative terminals. The standard polarized capacitor symbol for a polarized capacitor serves as a visual guide for the proper orientation of the component in circuit diagrams.

Does Mouser sell tantalum capacitors?

Mouser is an authorized distributor for tantalum capacitor manufacturers including KEMET, KYOCERA AVX, Panasonic, & Vishay. Please view our large selection of tantalum capacitors below. Pricing (USD) Filter the results in the table by unit price based on your quantity.

What is the dielectric constant of a tantalum capacitor?

This oxide, tantalum pentoxide, has a dielectric constant of 26. The tantalum metal serves as the anode, and the cathode is usually made of a conductive material, often manganese dioxide in traditional tantalum capacitors. Another name for a wet tantalum capacitor is liquid tantalum capacitor or non-solid tantalum capacitor.

What is the difference between solid and polymer tantalum capacitors?

In contrast, solid tantalum capacitors rely on a solid manganese dioxide layer for enhanced reliability. Polymer tantalum capacitors combine the benefits of solid construction with a conductive polymer electrolyte, offering a balance of performance and space efficiency.

Where can I find Tantalum capacitors?

Pricing (USD) Filter the results in the table by unit price based on your quantity. Pricing (USD) Filter the results in the table by unit price based on your quantity. Tantalum Capacitors are available at Mouser Electronics. Mouser offers inventory, pricing, & datasheets for Tantalum Capacitors.

Find your tantalum capacitor easily amongst the 38 products from the leading brands (TDK Electronics, PANASONIC, VISHAY, ...) on DirectIndustry, the industry specialist for your professional purchases.

KYOCERA AVX is the number one tantalum capacitor supplier with four manufacturing plants worldwide, which provides flexibility and capacity for the demanding electronic industry. We are the global leader in MnO₂ solid tantalum technologies such as smallest case size MnO₂, highest temperature capabilities up to

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230°C and lowest DCL product offering. KYOCERA AVX has ...

Tantalum capacitors are made by oxidizing the surface of tantalum, a rare metal, to form tantalum pentoxide (Ta₂O₅), which is then used as the Dielectric material. Tantalum capacitors are smaller than aluminum electrolytic capacitors. In terms of merits, tantalum capacitors have a longer life, are resistant to temperature changes, and have ...

KEMET is the largest manufacture of tantalum capacitor in the world, it has a market share of 35.43% in value. KEMET Corporation, a subsidiary of Yageo Corporation (TAIEX: 2327), manufactures a broad selection of capacitor technologies such as tantalum, aluminum, multilayer ceramic, film, paper, polymer electrolytic, and supercapacitors. KEMET ...

Tantalum (Ta) is a silver-gray metal with the atomic number 73. They have excellent frequency characteristics as well as long-term stability. Due to their infinite shelf life, high capacitance, and reliability, they are used in circuits for electronic devices like computers, cars, cell phones, and other devices.

Tantalum capacitors are marked with codes that provide information about their capacitance value, tolerance, voltage rating, and other characteristics. The marking codes follow industry standards, making it easier for engineers and technicians to identify and select the appropriate capacitor for their needs. EIA Standard Marking Code . The Electronic Industries ...

Tantalum Capacitors are available at Mouser Electronics from industry leading manufacturers. ...

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