

# Tantalum capacitor factory

What is a tantalum capacitor?

Tantalum capacitors use tantalum metal and solid manganese dioxide electrolyte, providing high capacitance in a compact size. Normal electrolytic capacitors, often aluminum-based with liquid electrolyte, offer a wider range of capacitance. Tantalum capacitors are polarized, unlike some electrolytic capacitors.

How were tantalum capacitors made?

They ground metallic tantalum to a powder, pressed this powder into a cylindrical form and then sintered the powder particles at high temperature between 1,500 and 2,000 °C (2,730 and 3,630 °F) under vacuum conditions, into a pellet ("slug"). These first sintered tantalum capacitors used a liquid electrolyte.

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 kind of capacitors does Hongda capacitors supply?

We supply general purpose tantalum capacitors, automotive grade tantalum capacitors, high temperature tantalum capacitors, THC tantalum capacitors, Polymer tantalum capacitors, Liquid tantalum capacitors, high energy tantalum capacitors. Hongda Capacitors is ISO90001 and IATF16949 certified factory.

What is the failure rate of a tantalum capacitor?

For tantalum capacitors, often the failure rate is specified at 85 °C and rated voltage U<sub>R</sub> as reference conditions and expressed as per cent failed components per thousand hours (n %/1000 h). That is "n" number of failed components per 10<sup>5</sup> hours or in FIT the ten-thousand-fold value per 10<sup>9</sup> hours.

Are aluminum and tantalum electrolytic capacitors standardized?

The tests and requirements to be met by aluminum and tantalum electrolytic capacitors for use in electronic equipment for approval as standardized types are set out in the following sectional specifications: Tantalum capacitors are the main use of the element tantalum. Tantalum ore is one of the conflict minerals.

We are specialized in production of plastic film capacitors, Radial, SMD, Snap-in, Screw, Lug terminals Aluminum Electrolytic capacitors, and Ceramic Capacitors, Tantalum Capacitors, which are widely used in consumer electronics, data ...

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CSP Series is molded solid tantalum chip capacitor with sintered and polymer as the cathode, ...



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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 MnO<sub>2</sub> solid ...

We provide reliable quality for commercial tantalum capacitors, and military tantalum capacitors like THC Tantalum Capacitors, Polymer Tantalum Capacitors, Liquid Tantalum Capacitors, ...

Types of Tantalum capacitors. Wet tantalum capacitors: These can work at high voltages, from 100V to 630 V, with low ESR and lowest leakage current among electrolytic ...

Zonkas is the number one tantalum capacitor manufacturer and supplier which provides ...

TURPANIC is one of the most professional voltage regulators, tantalum capacitors manufacturers and suppliers in China. Please feel free to buy new original products in stock here from our ...

In summary, tantalum capacitors offer many technological advantages over other standard capacitors available today. Tantalum Capacitor Variants. MnO<sub>2</sub> Tantalum. The ...

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Effects of Connecting Tantalum Capacitors in Series; Equivalent Series Resistance of Tantalum Capacitors; Study of Field Crystallization in Tantalum Capacitors and its Effect of DCL and ...

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 ...

Tantalum powder is used in capacitors to allow for a very thin dielectric layer, providing high ...

CSP Series is molded solid tantalum chip capacitor with sintered and polymer as the cathode, featuring low ESR and good frequency response, resistance to high ripple current, small size, ...

Hongda Capacitors is top tantalum capacitor supplier with five advanced tantalum capacitors production lines in China, which provides flexibility and capacity for the ...

Factory (Tantalum Capacitor) (R.I.S.T.) 883, Kamikitajima, Chikugo, Fukuoka 833-0033 Japan Factory ROHM Apollo Co., Ltd. (Chikugo Factory) ROHM Integrated Systems (Thailand) ...

Tantalum powder is used in capacitors to allow for a very thin dielectric layer, providing high capacitance values in smaller case sizes. Vishay offers surface mount and through-hole ...



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