
Super Tantalum Electrolytic Capacitor

What is a supertan ® wet tantalum capacitor?

By providing military H-level performance in a SuperTan series, the STH series offers a lower-cost alternative to hi-rel wet tantalum capacitors while ensuring the high reliability required by more aggressive mission profiles. Vishay's SuperTan® wet tantalum capacitors feature improved military H-level shock and vibration capabilities.

What is a tantalum electrolytic capacitor?

Tantalum electrolytic capacitors are used in many applications. They are one of the most prevalent types of capacitors due to their much higher charge capacity when compared to film or ceramic capacitors, thanks to the high permittivity of the tantalum dielectric constant.

What are Talum electrolytic capacitors?

Tantalum electrolytic capacitors are often used as an upgrade technology to replace aluminum electrolytic capacitors. It's important to contrast the two technologies. Tantalum capacitors have thin dielectric layers that result in higher capacitance per unit of volume when compared to aluminum electrolytic capacitors.

How are tantalum capacitors made?

Tantalum capacitors are mostly manufactured in wet or solid form. Solid tantalum capacitors are generally applied due to their compactness and reliability, while wet tantalum capacitors having a liquid electrolyte are traditionally applied for use in high voltages. 3. Production Process

Capacitors are used in various electronic circuits and devices. Based on the application there are different types of capacitors available ...

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Among the many types of capacitors available, tantalum and electrolytic capacitors are two of the most commonly used. Tantalum capacitor vs electrolytic: while they serve similar functions, ...

Wet tantalum capacitors have been utilized for many years in high energy storage applications where volumetric efficiency and high reliability are essential requirements. The ...

1. Introduction Tantalum capacitors or tantalum electrolytic capacitors are a very specialized capacitor using metallic tantalum as the ...

Computer Grade Electrolytic Capacitors Film Capacitors Tantalum Capacitors Tantalum Axial Capacitors Silver Mica Capacitors Surface ...

Tantalum Capacitors Capacitor Overview In an electric circuit, the capacitor is a passive, two

terminal device that can statically store electric ...

Tantalum electrolytic capacitors, just like other electrolytic capacitors, are consisted of an anode, some electrolyte and a cathode. ...

Tantalum electrolytic capacitors, just like other electrolytic capacitors, are consisted of an anode, some electrolyte and a cathode. The anode is isolated from the cathode so only a ...

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Vishay's series of tantalum-cased wet tantalum capacitors with hermetic glass-to-metal seals are ideal for avionics and aerospace applications. The STH electrolytic capacitors ...

MALVERN, Pa. -- Oct. 26, 2023 -- Vishay Intertechnology, Inc. (NYSE: VSH) today announced the release of a new series of wet tantalum capacitors with hermetic glass-to-metal seals. For ...

Available Available available o Model STH tantalum-case electrolytic Available capacitors provide all the advantages of Vishay's SuperTan®; extended series devices, while ...

Tantalum capacitors also do not dry out or degrade like aluminum electrolytic capacitors which makes tantalum capacitors ideal ...

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