
Austria Super Aluminum Electrolytic Capacitor

What are aluminum electrolytic capacitors made of?

In aluminum electrolytic capacitors, the anode and cathode consist of highly roughened aluminum foils, whereby the roughened anode foil with the dielectric layer is rolled up between an absorbent material (usually paper).

Are aluminum electrolytic capacitors a good choice?

Aluminum electrolytic capacitors are an attractive solution here since they can fulfill the key requirements, such as high voltage ratings of up to 500 V, large capacitance of up to 820 μ F and high ripple current capabilities at an operating temperature range of -40 $^{\circ}$ C to 105 $^{\circ}$ C.

What is the anode of an aluminum electrolytic capacitor?

The anode of an aluminum electrolytic capacitor is an aluminum foil of extreme purity. The effective surface area of this foil is greatly enlarged (by a factor of up to 200) by electrochemical etching in order to achieve the maximum possible capacitance values.

What is hybrid polymer technology in aluminum electrolytic capacitors?

In the field of Aluminum Electrolytic Capacitors, the Hybrid Polymer technology offers higher ripple current densities by a factor of, e.g., 5x compared to standard Liquid Electrolyte technology.

Our selection includes hybrid polymer, leaded, SMD, and snap-in/screw-terminal aluminium electrolytic capacitors, suited for both high-power industrial systems and compact electronic ...

Aluminum Electrolytic Capacitors An electrolytic capacitor is a type of polarized capacitor that uses a wet electrolytic solution and an oxide film to store electrical charge. An example is the ...

Meanwhile, Exxelia snap-in aluminum electrolytic capacitors set industry benchmarks with their exceptional lifespan at 105 $^{\circ}$ C and broad operating temperature range (-55 $^{\circ}$ C to +125 $^{\circ}$ C), ...

The capacitance of aluminum electrolytic capacitors is defined by the surface of the aluminum anode foil. This surface is maximized by special etching processes, giving these ...

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