



Montevideo Super Aluminum Electrolytic Capacitor





Overview

Aluminium electrolytic capacitors are (usually) polarized whose (+) is made of a pure foil with an surface. The aluminum forms a very thin insulating layer of by that acts as the of the capacitor. A non-solid covers the rough surface of the oxide layer, serving in principle as the second electrode () (-) of the capacito.



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Aluminum Electrolytic Capacitors

The aluminum electrolytic capacitor consists of a wound element, impregnated with liquid electrolyte, connected to terminals, sealed in a can and then aged to reduce or eliminate early life failures.

[Aluminum Electrolytic Capacitors . Radial, SMD, Snap-In & Screw](#)

Browse aluminum electrolytic capacitors across SMD, radial, snap-in and screw-terminal styles. 4-630 V, up to multi-farad values. Low-ESR, long-life, polymer & hybrid options. Compare specs, download ...



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Aluminum electrolytic capacitor

Aluminum electrolytic capacitors with non-solid electrolyte have a wide range of styles, sizes and series. Aluminium electrolytic capacitors are (usually) polarized electrolytic capacitors whose anode ...



Aluminum electrolytic capacitor

Overview
Basic information
Materials
Production
Styles
History
Electrical parameters
Reliability, lifetime and failure modes

Aluminium electrolytic capacitors are (usually) polarized electrolytic capacitors whose anode electrode (+) is made of a pure aluminium foil with an etched surface. The aluminum forms a very thin insulating layer of aluminium oxide by anodization that acts as the dielectric of the capacitor. A non-solid electrolyte covers the rough surface of the oxide layer, serving in principle as the second electrode (cathode) (-) of the capacitor...

Aluminum Electrolytic Capacitors

These capacitors come in a wide range of capacitance values (0.1 μ F to 82,000 μ F) and voltage ratings (2VDC to 550VDC), offering different performance levels of ripple current, operating temperature ...

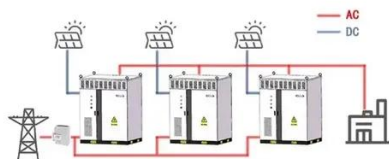


Aluminum Electrolytic Capacitors

The electrical characteristics of aluminum electrolytic capacitors with plain (not etched) foils are, in part, better, but these capacitors are considerably larger and are only used for special applications ...

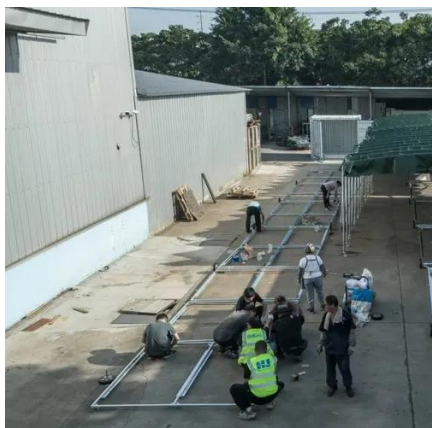


WORKING PRINCIPLE



[aluminium electrolytic capacitor, conductive polymer aluminium solid](#)

Shanghai Yongming electronic company established in 2001, is a leading manufacturer in providing and selling diversified aluminum electrolytic capacitors.



[Montevideo Supercapacitors: Models, Applications, and Industry Trends](#)

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2025 ALUMINUM ELECTROLYTIC CAPACITORS

The NPCAPTM is a Conductive Polymer Solid Aluminum Capacitor that uses highly conductive polymer electrolytic material. Please read the following in order to get the most out of your NPCAPTM capacitor.



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