

Botswana Super Aluminum Electrolytic Capacitor





Overview

What is the international standard for aluminum electrolytic capacitors?

The international standard for aluminum electrolytic capacitors is IEC 60384-4. The sectional specification mentioned above is complemented by a set of detail specifications that applies to specific design types (e.g. electrolytic capacitors with axial wire leads).

How strong are aluminum electrolytic capacitors?

Upon delivery most of our aluminum electrolytic capacitors are enveloped by a shrinking sleeve. The minimum breakdown strength for a new sleeve is 2500 V AC or 3500 V DC and the insulation resistance is at least 100 M. IEC 60384-4 specifies corresponding test methods.

Why do aluminum electrolytic capacitors have a ripple current capability?

The equivalent series resistance of aluminum electrolytic capacitors varies with the frequency of the AC signal. As a result, the ripple current capability, which is determined by the induced power loss, is also a function of the frequency.

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.



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Aluminum Electrolytic Capacitors

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...



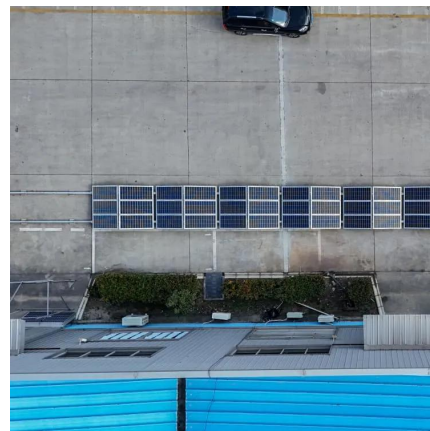
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