



Overvoltage

Operation Using Solid Aluminum Electrolytic Capacitors

Explanatory Notes

1. An overvoltage will damage the dielectric of a capacitor and may affect the performance and life of a capacitor or cause catastrophic failure. Although a surge voltage, the maximum overvoltage including DC, peak AC and transients to which capacitors may be subjected for short periods of time, is specified for capacitors in the IEC and JIS standards, it does not imply long-term use but limited use under specific conditions.

Precaution

1. Do not apply an overvoltage to capacitors.

Footnotes

IEC Standards: IEC 384-4-2 Fixed Capacitors for Use in Electronic Equipment, Aluminum Electrolytic Capacitors with Solid Electrolyte

IEC 384-18-1 Fixed Capacitors for Use in Electronic Equipment, Surface Mount Aluminum Electrolytic Capacitors with Solid Electrolyte

EIAJ Standard: EIAJ RC-2362 Fixed Capacitors for Use in Electronic Equipment, Aluminum Electrolytic Capacitors with TCNQ Solid Electrolyte