

ALUMINIUM ELECTROLYTIC CAPACITORS 65+ Product Series

NIC's core business continues to be in Aluminium Electrolytic Capacitors. Since 1975 NIC-Japan has been deeply involved with this component sector and is considered a world leader in technology and quality.

NIC knows that capacitors are ubiquitous in all electronic circuits and many capacitor dielectrics have been commoditized due to their volume usage and number of suppliers.

There are some key trends to concentrate on when devising your selling strategies for NIC Aluminium Electrolytic Capacitors:

- 1.) Most obvious is the continuing trend toward use of surface mount components.
... NIC offers over 20 series of SMT Aluminiums with more to come shortly. A wide range of capacitance values, voltage ratings, extended life and temperature characteristics, along with a wide variety of size options makes NIC an ideal supplier.
- 2.) The continued migration to "lead-free" soldering process. All of NIC's Aluminium Electrolytic Capacitors are available in RoHS compliant versions.
... In addition NIC can now offer higher reflow soldering temperature rated versions to meet SAC alloy soldering requirements.
... NIC has unique part numbers to identify "lead-free" devices and higher reflow soldering temperature rated devices.
- 3.) Long life and High Reliability are a necessity for critical electronic equipment and instrumentation. NIC offers several series in both surface mount and thru-hole with load life ratings from 5000 to 12,000 hours. Samples and test data are available for new design approvals.

ALUMINIUM ELECTROLYTIC CAPACITORS FOCUS PRODUCT SERIES

NPC Series

Solid Polymer Electrolyte with ultra low ESR-Impedance characteristics ($0,007\Omega$) and High Ripple Current rating (3,5Arms). Expanding CV range allows additional design opportunities. A good alternative to the Sanyo APC/APD and Panasonic SP CAP with advantageous pricing.

NRLR (85°C) NRLRW (105 °C) Series

Snap-in type with high CV and multiple sizing for high density and low profile power supply designs. Competitively priced with longer life, and higher ripple current ratings these series will allow more success against Nichicon, UCC and Panasonic. In high power applications customers are reporting the NRLR and NRLRW are operating cooler (less self heating) than NIC's competitors products.

NRBS, NRGB, NRE-WB, NRB-XS NRB-XW (105 °C) Series

Medium and High Voltage (10VDC to 450 VDC) Radial LDD Aluminium Electrolytic Capacitors feature long life time (5000 to 12,000 hours) and reduced case sizes for use in electronic lighting ballast and power supply applications.