

NRSZC SERIES



Product Family

Radial Leaded Low ESR Aluminum Electrolytic Capacitors

Description

Reduced size (Step Down In Size From NRSZ series) low cost liquid electrolyte component, designed for use in use in output filter application in low voltage switching regulators, power supplies and DC-DC converters. Load life (Endurance Test) rated @ +105degC for 2000 ~ 7000 hours based upon case diameter.

General Specifications

- Temperature Range: -55°C ~ +105°C
- Capacitance Value Range: 47 ~ 18,000uF
- Capacitance Tolerance: +/-20%
- Voltage Rating: 6.3 ~ 35VDC
- 100KHz ESR: Down to 0.015ohm
- 100KHz RCR: Up to 3.8Arms
- Sizes: 5X11 ~ 18x41

Applications/Functions

Ideal for use as output filter and load current surge capacitor on low voltage voltage regulation and conditioning applications.

- Switching power supplies
- Voltage regulator modules
- DC-DC converters

Competition

Panasonic	(FC) EEUFC Series
Nichicon	UPS Series
United Chemicon	LXZ Series

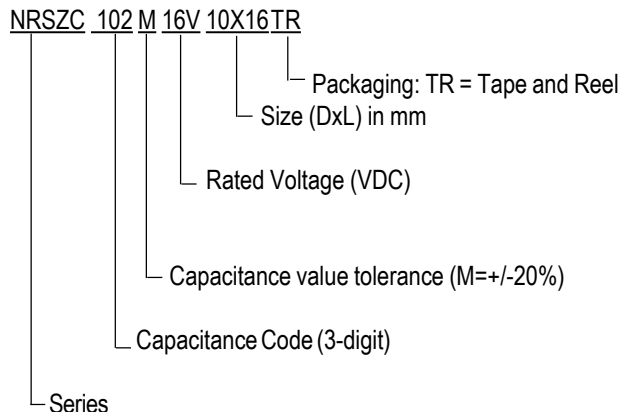
Trends

Industry wide migration to lower voltage - high current circuits will fuel growing requirements for low ESR capacitors. Liquid electrolyte versions, such as the NRSZC series, offer higher capacitance in low cost and proven technology advantage as compared to tantalum or ceramic capacitor styles.

Key Parameters - Substitutes & Selling Tips

- + Smaller size means less materials = lower cost
- + Recommend for use in high density applications
- + Low cost alternate to radial tantalum e-caps
- These smaller size versions will have lower ripple current ratings as compared to larger size alternates

Part Numbering System



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