

PRODUCT PROFILE

NSPE-ZJ series

SMT Hybrid Aluminum Electrolytic Capacitors

High operating temperature rated and extended lifetime

- -55°C to +145°C operating temperature rated
- Dual rated for +135°C and +145°C
- Higher RCR (up to **2Arms**) and twice lifetime upgrade (4000 hours) at +135°C, as compared to +145°C
- Lifetime equivalent to **32,000 hours at +105°C**
- Voltage ratings from 25VDC to 63VDC
- Supported in wide-terminal (vibration resistant) version
- AEC-Q200 suitable to use in automotive applications
- Two case sizes; 8X10.5 and 10X10.5
- RoHS complaint
- +260°C reflow rated



NIC Components Corp, a leading global supplier of electronic components, today introduced the NSPE-ZJ series of SMT hybrid construction aluminum electrolytic capacitors featuring increased operating temperatures and extended lifetimes. NSPE-ZJ is supported in working voltages from 25-63VDC, in capacitance values from 33uF to 330uF and with increased ripple current ratings up to 2Arms/100KHz (+135°C). NSPE-ZJ series has an operating temperature range of -55°C to +145°C with extended lifetime ratings from 2000 hours (+145°C) and 4000 hours at +135°C (equivalent to 32,000 hours at +105°C).

NSPE-ZJ is ideal for use in 12V and 48VDC automotive systems, enterprise level systems, power supplies and amplifiers, inverters, 5G cellular infrastructure, motor drives, green power and office equipment applications. NSPE-ZJ series is RoHS and REACH compliant and is produced from halogen-free materials.

→ Contact NIC Components today for free samples or to review your circuit requirements



Product Specification: <https://www.niccomp.com/products/catalog/nspe-zj.pdf>

→ NIC Technical Support: tpmg@niccomp.com

→ NIC **Quick Builder**: https://www.niccomp.com/QuickBUILDER/qb_capacitor.php

