

NIC PRODUCT PROFILE

NSPE-TC Series

Hybrid Construction Aluminum Electrolytic Capacitors

Description:

Hybrid capacitors incorporate the best elements of both solid polymer and liquid electrolyte construction to achieve ultra-low ESR, high ripple current ratings, low leakage current and superior stability over voltage and temperature.

The advanced aluminum foil technology used in NSPE-TC series results in improved volumetric efficiency to meet the requirements of high-density designs, support lower profile applications and reduce the size of PCB assemblies.

NSPE-TC series is AEC-Q200 qualified, for use in automotive applications, and is ideal for high temperature harsh operating environments, where high current, high voltage, and performance stability are required.

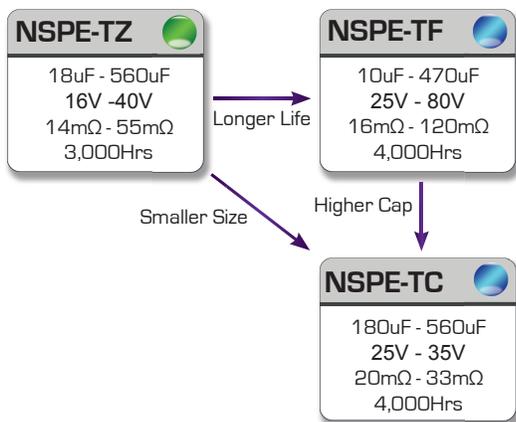
Features & Advantages:

- ◇ Higher capacitance per case size
- ◇ Stable ESR & Z over Temperature
- ◇ Low ESR & High Ripple Current ratings
- ◇ Reduce the number of components used
- ◇ Low leakage current, upgrade over solid polymer type

Get More Information:

NSPE-TC Series Page: www.niccomp.com/series/NSPE-TC
 All Hybrid & Polymer Series: www.niccomp.com/apolymers
 All Capacitors: www.niccomp.com/capacitors

Series Selection:



NSPE-TC Co-Sell Products

- ◇ Ferrite Chip Beads (NCBx)
- ◇ Current Sensing Resistors (NCLx, NCSx)
- ◇ Thin Film Chip Resistors (NTR)
- ◇ High Current Power Inductors (NPIM_PA)

Cross & Replace with NSPE-TC

- ◇ Nichicon GYA
- ◇ Panasonic EEH-ZK
- ◇ United Chemicon HHXA, HHXB, HHXC

NSPE-TC Circuit Applications

- ◇ Output capacitor DC-DC
- ◇ Ripple (noise) Filtering
- ◇ Bulk Storage
- ◇ Load Stepping & Point of Load (POL)

NSPE-TC End Products

- ◇ Automotive
- ◇ Mobile Communications
- ◇ Embedded Computing
- ◇ Industrial Controls
- ◇ Outdoor Video, Lighting & Displays

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NICcomp.com/QB-Capacitors

