

PRESS RELEASE

Product Category:

Passives; Inductors; Shielded; SMT; High Current; Auto-Grade

NPIS_HA series



NIC Components is pleased to announce the expansion of the NPIS family of high current shielded power inductors with the addition of the **automotive-grade NPIS_HA series**. The NPIS_HA series meets the requirements of AEC-Q200 and is suggested for use in automotive equipment applications, or applications that require high reliability at higher operating currents.

Magnetic resin shielded construction decreases leakage flux, reduces EMI, and lowers acoustic noise (coil whine) as compared to conventional inductors of equal size. Three miniature SMT case sizes cover an inductance value range of 0.47uH to 470uH, Isat current ratings from 5.2A to 16A, and an operating temperature range of -55°C to +125°C (including self-heating).

The NPIS_HA Series meets Pb-free reflow conditions up to +260°C and is RoHS compliant without exemptions, is halogen-free, and is REACH compliant. Contact NIC Components today for free samples and to review your circuit requirements.

Features:

- Meets AEC-Q200
- Magnetic Resin Shielded
- Lower Leakage Flux and Reduced Coil Whine
- Robust Shock Resistance SMT Construction
- 30% Higher Current Rated (Up to 16Amps)
- -40°C to +125°C (including self-heating)
- High Inductance (Up to 470uH)
- Tape and Reeled for Automatic Placement

Applications:

- Automotive Circuits
- Power Applications
- Power Supplies
- DC-DC Power Circuits
- High Reliability
- Infrastructure and Enterprise Systems



PDF Specification: https://www.niccomp.com/products/catalog/npis_ha.pdf

NIC Components Sales Contacts:

Europe / Tel: +44 1280 813737... Mark Osborne: mark.osborne@niccomp.com

North America / Tel: +1 631-847-6460... Eric Moller eric.moller@niccomp.com

SE Asia / Tel: +65 6844 1650... Tony Ng tony.ng@niccomp.com.sg

Editorial Contact: Jim Wright, VP Engineering & Quality, NIC Components Corp. jim.wright@niccomp.com