

PRODUCT PROFILE & CROSS-REFERENCE



NPIM_PE series

Automotive-grade molded metal composite
SMT power inductors

High Temperature and High Current Rated



NIC Components Corp. is pleased to announce the release of the NPIM_PE series of extended temperature (+155°C rated) automotive grade molded metal composite SMT power inductors. The NPIM_PE series meets the requirements of AEC-Q200 and is available in nine cases sizes ranging from 5.7mm x 5.2mm to 23.5mm x 22.0mm (L x W) sizes with component height of 2.8mm to 12.6mm.

The NPIM_PE series covers inductance value range of 0.1uH to 100uH in $\pm 20\%$ tolerance and features high saturation current ratings up to 115A. Extended operating temperature range from -55°C to +155°C (ambient + self-heating) means the NPIM_PE series is suitable for both low and high-temperature operating environments. The NPIM_PE series is ideal for use for high current DC-DC conversion applications in automotive systems, power supplies, industrial equipment, motor drives, LED drivers, networking, and communications applications. NPIM_PE series is RoHS and REACH compliant, halogen-free and reflow soldering heat rated to +260°C.

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



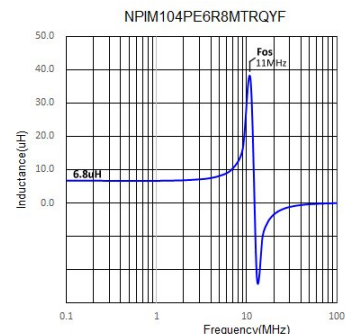
Product Specification: https://www.niccomp.com/products/catalog/npim_pe.pdf

Features:

- Metal Composite
- High Current (to 110A)
- AEC-Q200 qualified
- -55C to +155C rated

Applications:

- High Current DC-DC
- Automotive Systems
- POL Converters
- Motor Drives
- Industrial Equipment
- Networking & Communication
- LED Drivers



Performance curves are available
Contact: tpmg@niccomp.com

→ NIC Technical Support: tpmg@niccomp.com

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

Competitor Cross-Reference:

Competitor	NPIM_PE Series
NIC Components	NPIM_PE Series
Vishay -Dale:	IHLP-xxxxFD-5A
Coilcraft:	XAL series, XFL and XEL