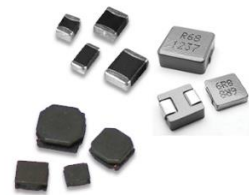


POWER INDUCTORS



NEW



NPIS_HA series

NIC Components is pleased to announce the expansion of the NPIS_ series of high current shielded power inductor family.

The NPIS_HA series meets the requirements of AEC-Q200 and is suggested for use in automotive grade applications, or where higher quality components may be required. Inductance values range from 0.47uH ~ 470uH in $\pm 20\%$ (M) inductance tolerance.

Isat current ratings range from 5.2A to 16A with an operating temperature range of $-55^{\circ}\text{C} \sim +125^{\circ}\text{C}$.

The NPIS_HA Series meets Pb-Free reflow conditions up to 260°C and is RoHS Compliant without exemptions, halogen-free and REACH compliant. An upgrade from shielded power inductors, with high saturation current characteristics for DC-DC converter and POL regulator applications.

NPIS_HA Series Electrical Characteristic

Prefix	Dimensions	Inductance Range	DCR Range	Irms Max.	Isat Max.
NPIS44HA	4,0x4,0x3,5mm	0.47~ 150uH	10m Ω ~2.28 Ω	5.2A	7.8A
NPIS66HA	6,0x6,0x5,5mm	3.3~330uH	26m Ω ~3.34 Ω	3.95A	5.5A
NPIS85HA	8,0x8,0x5,0mm	1.0~470uH	10m Ω ~1.54 Ω	6.3A	15.0A

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Capacitors (MLCC's; Elerctrolytic)

Magnetics (Chokes; Ferrite Chip Beads; Power Inductors; RF& Signal Inductors; Wireless Charging Coils)

Communication (Antennas; Baluns; Filter)

Connectors & Cables (Cable Assemblies; USB Connectors)

Circuit Protection (Fuses; Varistors)

Resistive (Resistors; Thermistors)

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