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## PRESS RELEASE

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### SMT Shielded Power Inductors feature high current ratings in 1.0mm ~ 4.5mm height



NIC Components is pleased to announce release of NPIS\_L series of shielded surface mount power inductors. Available in 10 case sizes ranging from 3.0mm X 3.0mm to 8.0mm X 8.0mm (LxW) with component heights of 1.0mm to 4.5mm. Inductance values range from 0.8uH ~ 220uH in  $\pm 20\%$  (M) and  $\pm 30\%$  (Y) inductance tolerance. High current rating in small size is achieved by use of wire-wound construction and ferrite resin shielding material. IRMS current ratings range from 1.4A (3.0x3.0x1.0 size, LxWxH) to 7.80A (8.0x8.0x4.0 size, LxWxH) with operating temperature range of  $-25^{\circ}\text{C}$  ~  $+120^{\circ}\text{C}$  ( $+80^{\circ}\text{C}$  operation at rated IRMS current). DC Resistance ranges from 0.006 ohm (0.8uH) ~ 4.0 ohm (220uH). Ideal for use in step down voltage conversion and regulation applications for portable, handheld, space-saving and high density circuit designs.

Samples of NPIS\_L parts are available for immediate shipment in NIC "Quick Kit" program. [[www.NicComp.com/QK](http://www.NicComp.com/QK)] Sn-Ag-Cu terminals are compatible with Pb-free reflow soldering to  $+255^{\circ}\text{C}$  (5 seconds maximum). Supplied tape and reeled packaged on 7" and 13" reels for automated pick and placement. Unit pricing from \$0.11 ~ \$0.21USD each, in production volumes. Lead times from 5 ~ 7 weeks.

Data Sheet: [http://www.niccomp.com/catalog/npis\\_L.pdf](http://www.niccomp.com/catalog/npis_L.pdf)

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