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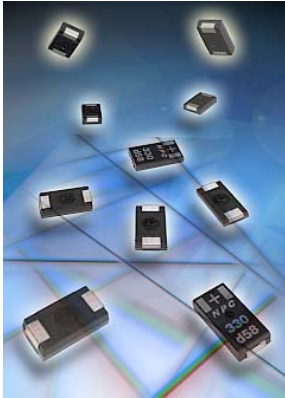


IMAGE FILE: NIC087A_NPC_.jpg

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Flat Chip Solid Electrolyte Capacitor Provide High Performance Solution

NIC Components has introduced a new range of flat chip surface mount low ESR solid aluminum electrolytic capacitors. The NPC series provides a highly competitive, space saving, high-performance capacitor solution, for use in a wide range of distributed power management applications; including DC-DC power supplies, POL, LDO, VRM regulators in high current - low voltage power module applications.

The NPC series features low impedance and low ESR (0.007 ohm) at high frequencies, plus high ripple current ratings (3.5Arms) at 105°C. Parts are available in capacitance values from 33µF and 390µF and working voltages of 2VDC to 6.3VDC. NPC overall case dimensions are a compact 7.3mm x 4.3mm, with case heights ranging between 1.4mm to 2.9mm and fit EIA (7343) 'D' land patterns.

The NPC series is fully RoHS compliant, including Sn-whisker free gold flash terminals and is compatible with Pb-free (SAC) reflow soldering processes. A wide operating temperature range of -55°C to +105°C makes the NPC series suitable for a broad range of applications. Components are supplied taped and reeled packaged for automated assembly processes. Free samples at www.nicomp.com. Pricing from \$0.29 each, in production quantities. Lead times from 8 weeks. See www.lowESR.com for performance characteristics.

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