

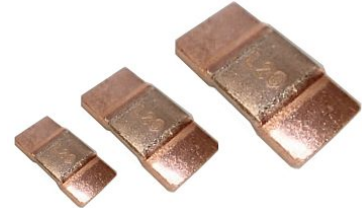
PRESS RELEASE

Product Category:

Passives; Resistor - Shunt; Current Sensing; SMT; High Current

NCSA series

SMT Current Sensing Shunt Resistors Auto-Grade



NIC Components Corp. is pleased to announce the release of the NCSA product series of automotive-grade (AEC-Q200 qualified) current sensing shunt resistors featuring high current ratings in surface mount metal alloy construction.

The NCSA series covers resistance values from 0.1mΩ to 2mΩ in ±1% (F), ±2% (G), and ±5% (J) tolerances and is rated for use in high current applications, from 70A to 380A with stable TCRs of ±50PPM to ±200PPM/°C. The NCSA series is supported in three low profile SMT case sizes; 2512, 3920, and 5930 and has an operating temperature range of -55°C to +170°C with power derating above +70°C

NCSA series is Halogen-Free, RoHS & REACH compliant and compatible with Pb-free reflow soldering processes. Supplied on tape and reel packaging for automated pick and placement. Evaluation samples are available upon request. Please contact NIC today to review your requirements.

Features:

- High Current 70A to 300A+
- 0.1mΩ to 2mΩ resistance values
- Meets AEC-Q200
- Wide Temperature Range: -55°C to +170°C
- Stable TCRs of ±50PPM to ±200PPM/°C

Circuit Applications:

- Current Sensing
- Power Control
- Power Regulators
- Automotive Systems
- Battery Charging Controls



PDF Specification:

<https://www.niccomp.com/products/catalog/nlsa.pdf>

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