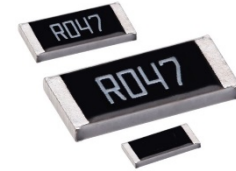


PRODUCT PROFILE & CROSS-REFERENCE



Product Category:

Passives; Fixed Resistors: Current Sensing; Thick Film; Low-Cost



NCST-C series

Thick Film Current Sensing Chip Resistors

NIC Components is pleased to announce the release of NCST-C series of current sensing SMT chip resistors utilizing low-cost thick film construction. Supporting power ratings from 1/16W to 3W in industry-standard sizes; 0402, 0603, 0805, 1206, 1210, 2010, and 2512 case sizes. The resistance value range covers 10mΩ to 976mΩ in ±1% (F) and ±5% (J) tolerance with TCR of ±500ppm to ±1500ppm.

The thick film construction of the NCST-C series has -55°C to +155°C operating temperature range (with derating above +70°C) and meets the performance requirements of current sensing circuits of industrial and commercial applications

Features:

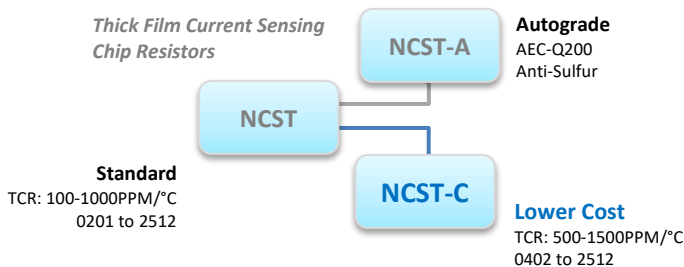
- SMT 0402 to 2512 case sizes
- Rvalues: 10mΩ to 0.976Ω
- Precision Tolerance (±1%)
- Power Ratings: 1/16W to 2W
- Current rated to 14.1A
- Low profile (0.40 to 0.65mm max H)

Circuit Applications:

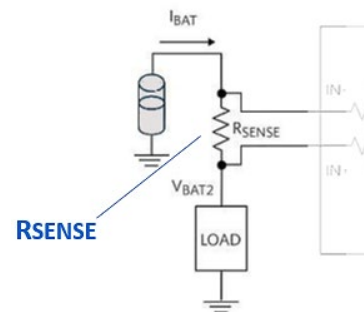
- Current sensing
- Current limiting
- Power conversion
- Point of Load
- Op Amps
- Amplifiers

End-Use Applications:

- Commercial
- Industrial
- Telecomm
- Networking Equipment
- Storage
- Security & alarm
- Battery chargers
- Point-of-sale
- Appliances



www.niccomp.com/products/catalog/ncst-c.pdf



Cross-Reference

NIC	Bourns	KOA	Panasonic	ROHM	SEI	Vishay	Yageo
NCST-C	CRx	SR73 UR73	ERJ	UCR	CSR	RCWL	RLxxxx



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