



PRESS RELEASE

Current Sensing Chip Resistors

NCSR & NCST Series of Current Sensing Chip Resistors feature low resistance values, tight tolerance and stable characteristics in low profile flat chip construction. NCSR series uses temperature stable precision conductor construction, NCST uses low cost thick film construction.

Precision resistance values from 0.5 milli-ohm (0.0005 ohm) to 1000 milli-ohm (1.0 ohm) are available in tolerances from +/-1% (F) ~ +/-5% (J). TCRs (resistance temperature coefficients) cover range from +/-50PPM/°C ~ +/-600PPM/°C. Industry standard case sizes from 0402 ~ 2512 with power ratings of 0.063W (1/16W) to 2.0W. Supplied RoHS compliant standard, with pure Tin terminal finish. Compatible with SAC soldering processes to +260°C. Supplied on tape and reel for high speed auto placement. Lead times from 5 ~ 8 weeks. Samples are available.

NCSR General Specifications

- Temperature Range: -55°C ~ +170°C
- Resistance Value Range: 0.0005 ohm ~ 0.0010 ohm
- Resistance Value Tolerances: ±1% (F), ±3% (H) & ±5% (J)
- TCRs (Resistance Temperature Coefficient): ±50PPM/°C
- Power Rating: 1.0W (>0.002ohm) & 2.0W (=0.002ohm)
- Size: 2512
- Pricing: \$0.22 ~ \$0.45 each

NCST General Specifications

- Temperature Range: -55°C ~ +125°C
- Resistance Value Range: 0.001 ohm ~ 1.000 ohm
- Resistance Value Tolerances: ±1% (F), ±2% (G) & ±5% (J)
- TCRs (Resistance Temperature Coefficient): ±200 ~ ±600PPM/°C
- Power Rating: 1/16W, 1/10W, 18W, 14W, 1/2W & 1.0W
- Sizes: 0402, 0603, 0805, 1206, 1210, 2010, 2512
- Pricing: \$0.02 ~ \$0.27 each

Data Sheet: <http://www.niccomp.com/Catalog/ncsr.pdf>

Data Sheet: <http://www.niccomp.com/Catalog/ncst.pdf>

Editorial contact information: Jim Wright - VP Technology & Marketing
e-mail: jwright@niccomp.com | URL: <http://www.niccomp.com>

NIC Components Corp.

**70 Maxess Road
Melville, NY 11747**

Tel: 631-396-7500 | Fax: 631-396-7575