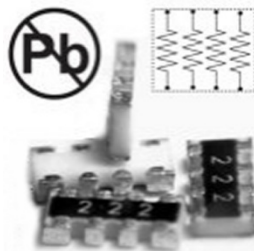


NIC PRODUCT PROFILE

NRSNL series

Pb-Free Thick Film Chip Resistor Arrays



www.niccomp.com/catalog/nrsnl.pdf
www.niccomp.com/series/NRSNL

Standard construction thick film chip resistor arrays commonly **take the RoHS directive exemption 7C1 to achieve RoHS compliance**. Exemption 7C1 allows electrical and electronic components containing lead in a glass or ceramic matrix compound to exceed the 100PPM (0.01%) threshold.

NRSNL series of Pb free thick film chip resistor arrays, does not take the RoHS exemption, as the level of Pb has been reduced below the RoHS threshold of 100PPM (0.01%). The NRSNL series 4 element arrays are available in EIA standard 0408 (0402 x 4) & 0612 (0603 x 4) case sizes with convex terminal construction. Supported in E24 (+/-5% tolerance) and E96 (+/-1% tolerance) resistance values, with individual element power ratings of 1/16W (0.0625W) in 0408 size and 1/10W (0.10W) in 0612 size. Voltage ratings of 50V cover resistance values from 1 Ohm to 10 Meg-Ohm with temperature coefficient of resistance of ±100ppm/°C and ±200ppm/°C. NRCL series is supplied without resistance value marking. Zero ohm (jumper) versions are supported in both case sizes with 1.0A current rating and maximum resistance of 50mΩ. Free samples are available from NIC for design and evaluation purposes.

Co-sell with NIC Products:

- **NRCL** – Exemption Free Chip Resistors
- **NMC** – NPO, X7R & X5R MLCCs

Applications:

- Pull-up & Pull-down
- Termination
- Current Limiting
- Memory Modules
- Voltage Proportioning
- Circuit Bias
- Filtering
- Impedance Matching

→ **UPGRADE** the below competitor series which take the **7C1 exemption**

FEATURES

- RoHS compliant (Pb-Free) **without 7C1 exemption**
- Low Cost Thick Film Construction
- EIA 0408 & 0612 case sizes
- 1/16W & 1/10W ratings, 50V rating
- E24 (5%) & E96 (1%) resistance values
- Temperature Range : -55°C ~ +155°C

ADVANTAGES:

- Ideal for **customers who cannot accept** components which take the RoHS 7C1 exemption
- Miniature Size And Low Profile
- High Density Packaging = Significant Space Savings
- Lower Production Costs With fewer placements

Competitor	Series
CTS	74x
KOA	CN__K/N
ROHM	MNR04 / MNR14
SEI	RAVF
VISHAY	CRA04/CRA06E/CRA06S
YAGEO	YC124 / YC164



Cross & Replacement Support ... tpmg@niccomp.com