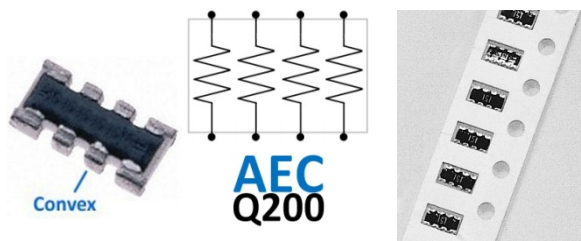


NIC PRODUCT PROFILE

NRSNS series

Automotive Grade
Thick Film Anti-Sulfur Resistor Arrays



www.niccomp.com/catalog/nrsns.pdf

www.niccomp.com/series/NRSNS

NIC is pleased to announce the addition of NRSNS series of Automotive Grade Thick Film Anti-Sulfur Resistor Arrays to its expanded offering of automotive grade components. The anti-sulfur construction of NRSNS series meets AEC-Q200 testing requirements, for use in automotive and harsh environment applications. Supplied in miniature (0402x4 & 0603x4) sizes, in isolated 4-element low cost thick film construction, The NRSNS series is ideally suited for use in a wide range of termination, pull-up pull-down, and current limiting applications. With low profile (0.6mm height) and 0.5mm/0.8mm terminal pitch, NRSNS parts are perfect for high density circuit designs. Advantages for PCB assembly cost savings, with both fewer component placements and reduced PCB area used. Zero ohm jumper versions are also supported. Compatible with both legacy and Pb-Free soldering processes, NRSNS series is RoHS compliant with unit pricing from \$0.005 each.

→ Contact NIC today to review your requirements, and request free samples for design and evaluation purposes.

FEATURES

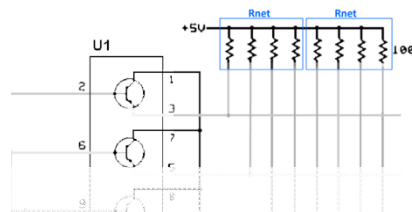
- Automotive Grade Components, AEC-Q200 Qualified
- TS-16949 Certified Production Site
- Temp. Range -55°C ~ +125°C (*Pd derating above +75°C*)
- Small Size (1mm x 2mm, 1.6mm x 3.2mm)
- Low Profile (0.6mm max height)
- Anti-Sulfur construction for use in harsh environments
- High Density Packaging (0.5mm & 0.8mm terminal pitch)
- Lower Production Costs With Less Placement (4 Resistors In One Package)

End Products:

- Automotive
- Transportation
- Heavy Equipment
- Commercial & Industrial
- Enterprise Systems
- Test & Instrumentation

Circuit Applications:

- Line termination
- Pull-up / Pull-down
- Current limiting
- Voltage proportioning
- Op amps & Amplifiers
- General purpose



Co-sell with NIC Auto Grade Products:

- NPIM_P** – SMT Power Inductors
Metal Composite High Current Loss
- NRC-A & NTR- A** – Thick & Thin Film
Automotive grade Chip Resistors
- NAZT & NSPE-T** – Low Cost Low ESR and
Hybrid +125°C rated Alum Ecaps

See all Auto Grade Products: www.niccomp.com/auto

→ Cross the below competitor PNs

	Size →	0402 x 4	0603 x 4	Terminal Type	Auto Grade
NIC Components		NRSNSA4I4	NRSNSA6I4	Convex	YES
	KOA	CN1J4RT	---	Concave	NO
	Panasonic	EXB-U28	EXB-U38	Convex	YES
	Samsung	RPS104D	RPS164D	Convex	YES
	Stackpole (SEI)	RAVS104D	RAVS164D	Convex	NO
	TT Electronics	BCN 10	BCN 16	Convex	YES
	Yageo	AF124	---	Concave	NO

