

NIC PRODUCT PROFILE

NRCPS Series

Sulfur Resistant Anti-Surge Thick Film Resistors

Description:

Extending NIC's AECQ200 lineup of thick film chip resistors the NRCPS series offers sulfur resistance with surge withstanding voltage and higher power. Increased power ratings, double the standard version ratings, are offered in 0603 (1/4W), 0805 (1/3W), 1206 (1/2W), and 1210 (3/4W). Resistance values range from 1.0 Ω to 1 MΩ in ±0.5% (D), ±1% (F) and ±5% (J) tolerances, in E24 & E96 resistance values.

Stable TCRs of 100PPM/°C and 200PPM/°C, over an operating temperature range of -55°C ~ +155°C (with power derating above +70°C), and voltage ratings from 150V to 400V.

The NRCPS series meets the requirements of AECQ200 and suggested for use in automotive grade applications along with a wide range of higher power.

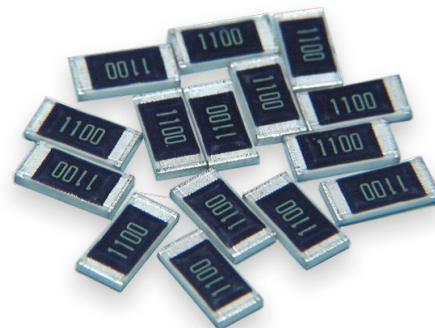
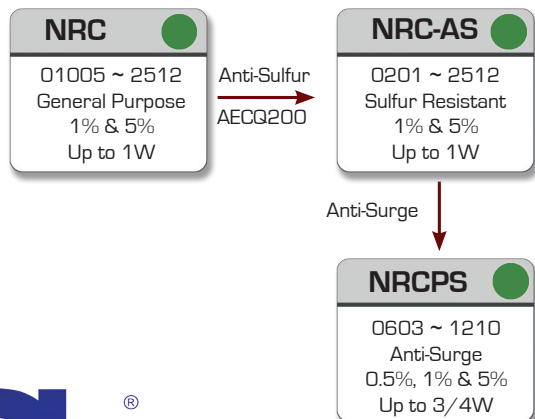
Features & Advantages:

- ◆ Meets the Requirements of AECQ200
- ◆ Excellent sulfur resistant characteristics
- ◆ Surge withstanding voltages and higher power ratings
- ◆ 0603 ~ 1210 Chip Sizes Available
- ◆ Power ratings to 3/4W
- ◆ Wide resistance value range (1.0 Ω to 1 MΩ)
- ◆ Stable TCR

Get More Information:

NRCPS Series Page: www.niccomp.com/series/NRCPS
 All Resistors: www.niccomp.com/resistors
 Automotive Grade: www.niccomp.com/auto

Series Selection:



NRCPS Co-Sell Products

- ◆ High Current Ferrite Chip Beads (NCB-H)
- ◆ Low ESR Capacitors
- ◆ Multilayer Ceramic Chip Capacitors
- ◆ High Current Power Inductors (NPIM)

Cross & Replace with NRCPS

- ◆ KOA SG73S
- ◆ General purpose thick film resistors

NRCPS Applications

- ◆ Automotive & Harsh Environments
- ◆ Voltage monitoring
- ◆ High voltage power supplies
- ◆ Test & measurement
- ◆ Current limiting
- ◆ Load balancing
- ◆ Voltage dividers
- ◆ Industrial products

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