

NTR SERIES



Product Family

SMT Resistor

Description

Construction is nickel chromium sputtered thin film resistive element on alumina substrate. Wrap around terminations with nickel barrier and tin finish are compatible with tin-lead and lead-free soldering processes. Available in 0402 ~ 2512 component sizes, supplied on 8mm carrier tape for automatic pick and placement.

General Specifications

- High precision thin film construction
- Tight tolerances (0.01% ~ 1.0%)
- Ultra-stable (5PPM ~ 50PPM) over wide temperature
- Low noise figure and distortion
- E24 & E96 standard values

Applications/Functions

- Telecommunications
- Automotive
- Test and Instrumentation
- Medical
- Audio

Competition

KAMAYA: RNC20, RNC32

KOA: RN73

ROHM: MHR

SEI: RNC

SUSUMU: RR

VISHAY: TNPW, M10, M11, M12 and M25

Trends

Growth of telecommunication, test equipment and digital equipment with higher operating frequencies should result in increasing demand for high precision, temperature stable NTR type thin film resistors.

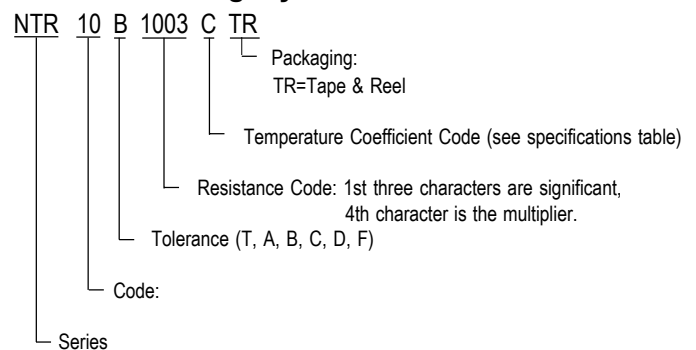
Performance Data

For performance data see www.niccomp.com or contact NIC tech support : tpmg@niccomp.com

Key Parameters - Substitutes & Selling Tips

- + Low TCR (temperature coefficient of resistance)
 - ... TCR down to 10PPM/degC standard
 - ... 5PPM/degC special order
- + Best choice for applications requiring:
 - ... low noise (-100db)
 - ... better than 1% tolerances
 - ... low distortion
- + Performance characteristics @ www.niccomp.com/ntr
 - ... TCR Cold, TCR Hot, Resistance to Solder Heat
 - ... Load Life - Endurance, Resistance in Cold and
 - ... Hot Temperature, Moisture Resistance
 - ... Short Time Over-load & Thermal Shock
- + For lower cost alternates offer NRC series thick film

Part Numbering System



NIC Global Locations: [LINK](#)

North America

Tel: (631) 396-7500 | sales@niccomp.com

Europe

Tel: 44 1280 813 737 | niasales@niccomp.com

SE Asia

Tel: 65-68441575 | niasales@niccomp.com