

Sensing Elements

Space Level NASA GSFC S-311-P-827/01, 02, 03, 04

Engineering Information:

- NTC thermistor chip
- Operating temperature range: -40°C to 100°C
- Standard resistance range at 25°C: 50k to 100k ohms
- Power rating: 125 mW/°C at 25°C
- Thermal time constant: 8 seconds max in still air
- Dissipation constant: 2 mW/°C min in still air
- Curves: B, M
- Tolerances: 1%, 2%
- Available with Sn/Pb or Au terminators
- Meets Level 1 Classification per EEE-INST-002
- Single lot traceability



Applications:

- Satellite communications
- Systems control in military applications
- Laser-guided systems

Series Information:

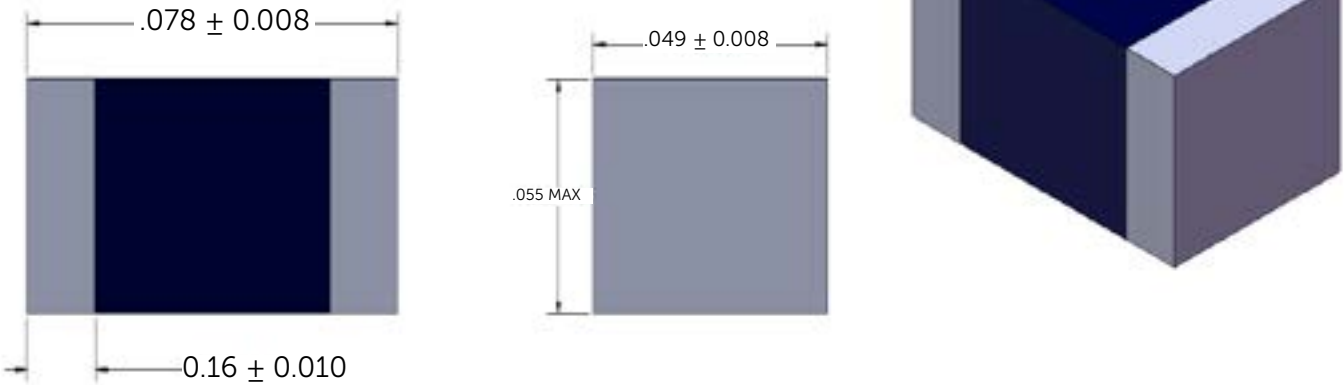
These surface mounted, end-banded chip thermistors are considered acceptable for use in NASA space programs that require quality level (Grade) 1 parts. These NTC chip thermistors are available in either gold or silver terminators. QTI's Space Level NASA GSFC specified NTC precision thermistor chips meet or exceed all the requirements of NASA/GSFC S-311-P-827 and MIL-PRF-32192.

Aerospace and Defense Overview:

QTI maintains an extensive test laboratory, designed with defense and aerospace customers in mind. This test lab is ISO 9001:2008 and AS9100 Revision B certified. We are qualified to perform all tests dictated by the Department of Defense, Defense Logistics Agency MIL-PRF-23648, and MIL-PRF-32192 specifications. In addition we have the facilities to perform many of the tests specified in MIL-STD-202, MIL-STD-883, NASA Goddard S-311-P-18 and S-311-P-827, EEE-INST-002, TOR-2006, ESA 4006, and MIL-PRF-38534 Class K and H Element Evaluation tests.

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Space Level NASA GSFC S-311-P-827/01, 02, 03, 04 Specifications



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QTI is the unparalleled leader in world-class temperature sensing technology with over for 40 years of proven expertise for the most demanding customers in the world. We custom-engineer the industry's most reliable temperature sensors for mission-critical applications. As a true business partner, we deliver beyond the products we make as we relentlessly pursue excellence in everything we do.

Contact us to discuss your temperature sensing needs today.