

Aerospace & Defense

M32192/4 NTC 0805 Surface Mount Thermistor

Engineering Information:

- NTC thermistor chip
- Operating temperature range: -55°C to 125°C
- Standard resistance range at 25°C: 47 to 10M ohms
- Power rating: 0.1250 W at 25°C derated to 0 W at 125°C
- Thermal time constant: 8 seconds max in still air*
- Dissipation constant: 2 mW/°C min in still air*
- Curves: A, B, C, D, H, L, M, R
- Tolerances: 1%, 2%, 5%, 10%
- Available in Sn/Pb or Au terminators

*Depends on mounting



Applications:

- Temperature sensing, control and compensation
- Frequency compensation

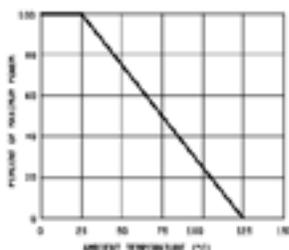
Series Information:

QTI's M32192/4 NTC 0805 Surface Mount thermistors are the ideal solution for temperature sensing functions found in temperature compensation networks. The design features "Leach Guard" terminations which are able to withstand many of today's modern automated assembly and soldering processes. Standard EIA sizing allows for tape and reel packaging designed for automated placement equipment. QTI's M32192/4 NTC 0805 Surface Mount thermistors meets or exceeds all of the requirements of MIL-PRF-23648.

Aerospace and Defense Overview:

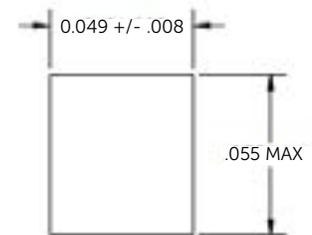
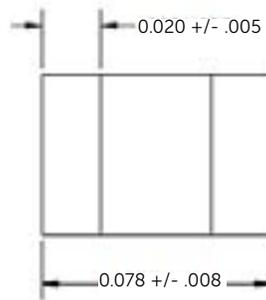
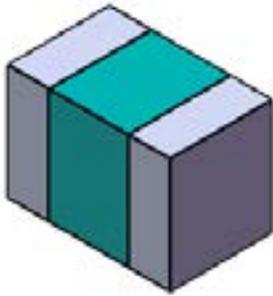
QTI maintains an extensive test laboratory, designed with defense and aerospace customers in mind. This test lab is ISO 9001:2008 and AS9100 Revision B certified. We are qualified to perform all tests dictated by the Department of Defense, Defense Logistics Agency MIL-PRF-23648, and MIL-PRF-32192 specifications. 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.

PTC Figure: Derating Curve



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M32192/4 NTC 0805 Surface Mount Thermistor Specifications



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QTI is the unparalleled leader in world-class temperature sensing technology with over 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.