

## Sensing Elements

### M32192/5 NTC EIA 1206 Package

#### Engineering Information:

- NTC thermistor chip
- Operating temperature range: -55°C to 125°C
- Standard resistance range at 25°C: 470 to 10M ohms
- Power rating: 0.1250 W at 25°C, derate 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
- Tolerances: 1%, 2%, 5%, 10%
- Available in gold or silver terminators
- Commercial option available
- RoHS compliant options available

\*Depends on mounting



#### Applications:

- Temperature compensation, control and sensing
- Frequency compensation

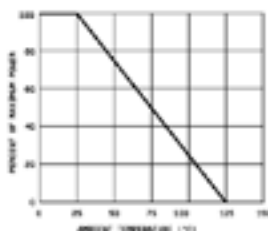
#### Series Information:

These screened high-reliability surface mount NTC precision thermistors are provided in an EIA 1206 package. Standard EIA sizing allows for tape and reel packaging designed for automated placement equipment. The patented design features Leach Guard™ terminations which are able to withstand many of today's modern automated assembly and soldering processes. QTI's M32192/5 NTC thermistors meet or exceed all of the requirements of MIL-PRF-23648.

#### Aerospace and Defense Overview:

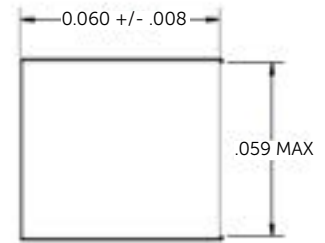
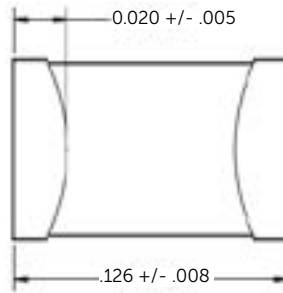
QTI maintains an extensive test laboratory, designed with defense and aerospace customers in mind. This test lab is ISO 9001:2008 and AS9100 Revision B certified. We are qualified to perform all tests dictated by the Department of Defense, Defense Logistics Agency MIL-PRF-23648, and MIL-PRF-32192 specifications.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

#### NTC Figure: Derating Curve



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### M32192/5 NTC EIA 1206 Package 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.