

## Sensing Elements

### RTH06 MIL-PRF-23648/1

#### Engineering Information:

- NTC thermistor
- Operating temperature range: -55°C to 125°C
- Standard resistance range at 25°C: 68k to 75k ohms
- Power rating: 0.500 W at 25°C, derate to 0 W at 125°C
- Thermal time constant: 80 seconds max in still air\*
- Dissipation constant: 5 mW/°C min in still air
- Curves: A, B, C
- Tolerances: 1%, 2%, 5%, 10%

\*Depends on mounting



#### Applications:

- Temperature measurement and control
- Amplifier stabilization
- Power control
- Microprocessor interfacing

#### Series Information:

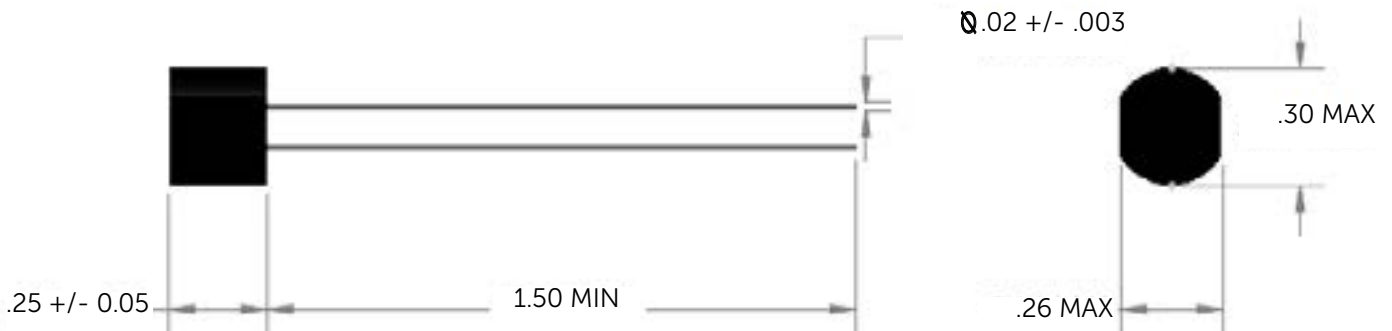
QTI's RTH06 MIL-PRF-23648/1 specified precision NTC thermistor meets or exceeds all of the requirements of MIL-PRF-23648. It is certified by the Defense Logistics Agency, Qualified Products List QPL-23648. These high-rel, military grade NTC precision thermistors are suitable where temperature control/compensation is required for crucial applications like amplifier stabilization, power control, and microprocessor interfacing.

#### 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.

## Sensing Elements

### RTH06 MIL-PRF-23648/1 Specifications



### QTI Sensing Solutions

2108 Century Way Boise, Idaho 83709 USA  
T: (208) 377-3373, 800-554-4784  
F: (208) 376-4754  
qtisales@ctscorp.com  
www.qtisensing.com

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.