

## Sensing Elements

### QTMC Series

#### Engineering Information:

- Typical diameter: 0.038 inch max
  - Available in a variety of wire types and lengths
  - Typical wire sizes: # 26 to #30 AWG
  - Leads: Kynar, PVC, Teflon, tin-plated copper
  - Epoxy bead
  - Resistance values: from 100 ohms to 9.8 M ohms
  - Operating temperature range: -55 °C to 150 °C
  - Typical time constant: 8 seconds max in still air\*
  - Typical dissipation constant: 2mW/ °C in still air\*
- \* Depends on mounting

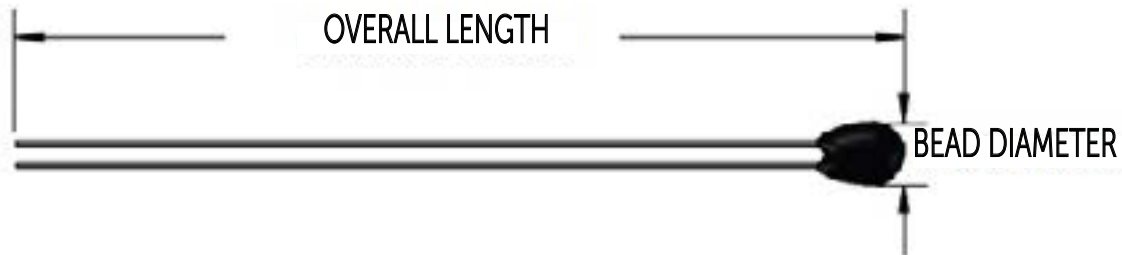


#### Series Information:

QTI's miniature NTC precision thermistors feature a small 0.038 inch maximum bead diameter providing an extremely fast thermal time response. The QTMC mini bead NTC thermistor is an extension of the QTI Interchangeable series for applications that require interchangeability in a smaller size. The small 0.038 inch bead diameter provides an extremely fast thermal time response. Standard 6 inch long #34 AWG insulated (or bare) leads enable direct placement into probe housings or remote temperature sensing where space is limited. This thermistor is ideal for life science and/or medical applications.

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### QTMC Series Specifications



### QTI Sensing Solutions

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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.