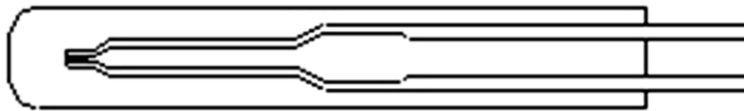




Thermistor Sensor NTCTJ series

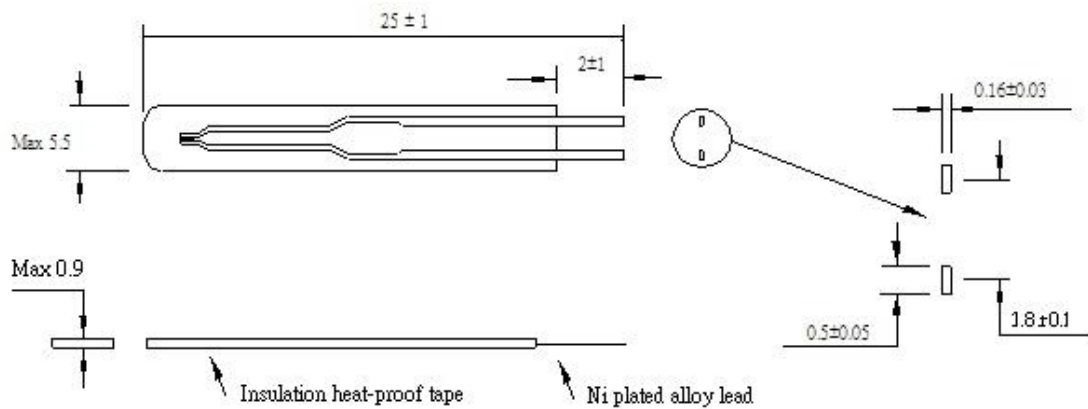


FEATURES

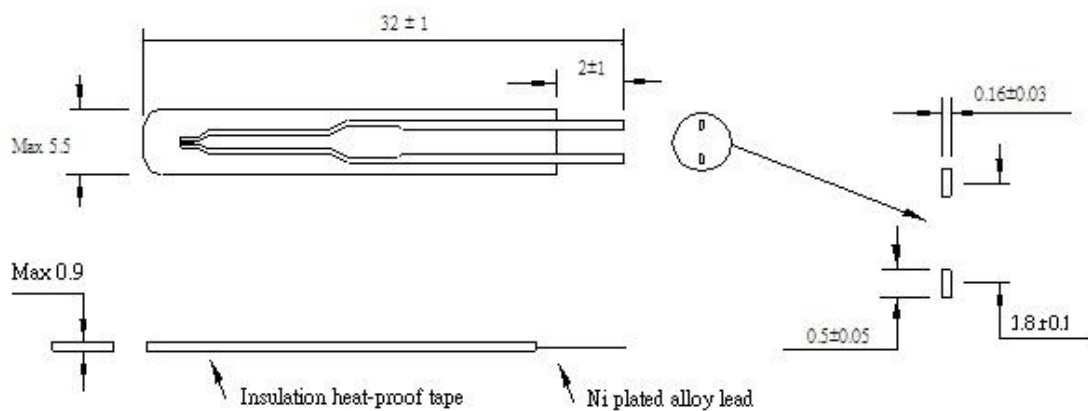
- Epoxy resin coating
- Thin structure for space limitation solution

CONSTRUCTION & DIMENSIONS

Total length 25mm

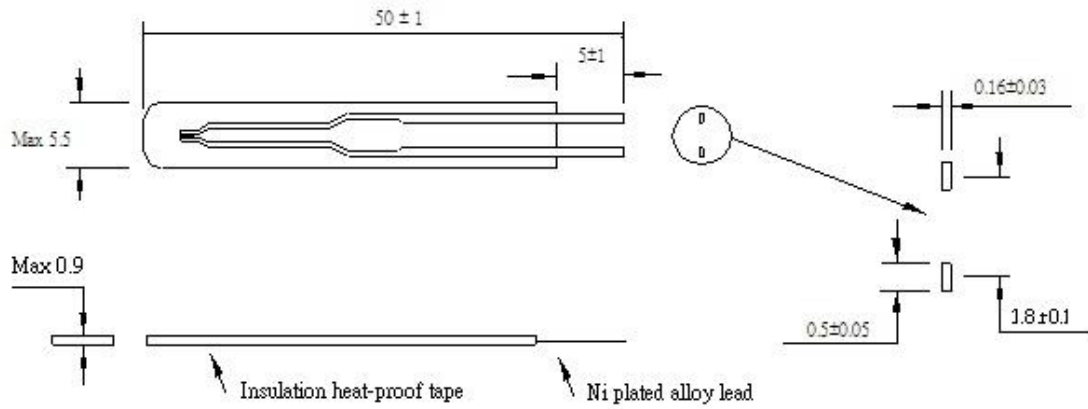


Total length 32mm





Total length 50mm

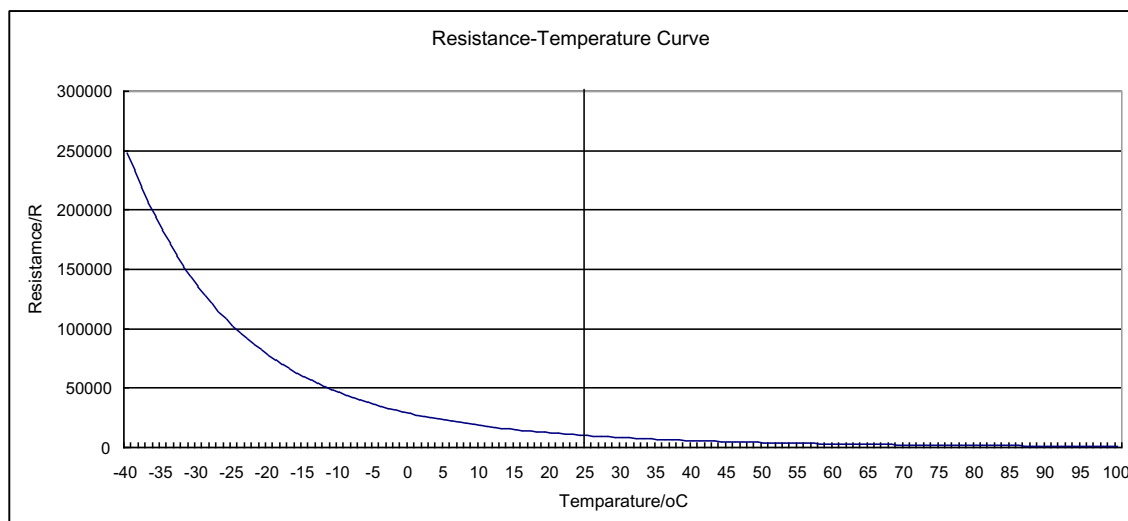


ELECTRICAL CHARACTERISTICS

| Resistance Value | Resistance at 25°C | B Constant (25 °C to 85 °C) | Thermal Time Constant | Thermal Dissipation Constant | Operation Temp. Range |
|------------------|--------------------|-----------------------------|-----------------------|------------------------------|-----------------------|
| | R25 | B 25/85 | T (at 25°C) | C (at 25°C) | - |
| 10K | 10 KΩ | 3435 | Approx. 5 sec | Approx. 0.7mW/°C | -40°C ~ 100°C |

■ Others resistance value upon request

Resistance – Temperature Curve



**TEST CHARACTERISTICS**

| PERFORMANCE | TEST METHOD | APPRAISE |
|--------------------------|---|----------------------------------|
| High Temperature Storage | 100°C x 1000Hrs, After completion of the test, allow sample to stand under room temperature for 24 hrs. | △ R25/R25 ≤ ±3%, △ B/B ≤ ± 2% |
| Low Temperature Storage | -30°C x 1000Hrs, After completion of the test, allow sample to stand under room temperature for 24 hrs. | △ R25/R25 ≤ ±3%, △ B/B ≤ ± 2% |
| Humidity | 45°C, 95%R.H. x 1000Hrs, After completion of the test, allow sample to stand under room temperature for 24 hrs. | △ R25/R25 ≤ ±3%, △ B/B ≤ ± 2% |
| Thermal Shock | Temp +100°C to -30°C for 30min This cycle is repeated 10 times, After completion of the test, allow sample to stand under room temperature for 24 hrs. | △ R25/R25 ≤ ±3%, △ B/B ≤ ± 2% |
| Insulation | DC 500V | >50MΩ |

PART NUMBER

| NTC | TJ | 103 | F | 3435 | F | - | 025 | HF |
|-----------------------|-----------------------------|---------------------------------|---|----------------|--------------------------------------|----------|----------------------------------|---------------------|
| Product series | Type | Resistance value | Tolerance | B Value | B Tolerance | | Length (All) | Halogen Free |
| NTC: Thermistor | TJ type (Film) sensor | 103:10x10 ³ =10KΩ | F: ±1% G: ±2% H: ±3% J: ±5% K: ±10% | | F: ±1% G: ±2% H: ±3% J: ±5% | | 025=25mm 032=32mm 050=50mm | HF= Halogen Free |

DISCLAIMERS

These products are not designed for use in applications where any failure or malfunction may result in personal injury, death or severe property or environmental damage such as medical, military, aircraft, space or life support equipments.