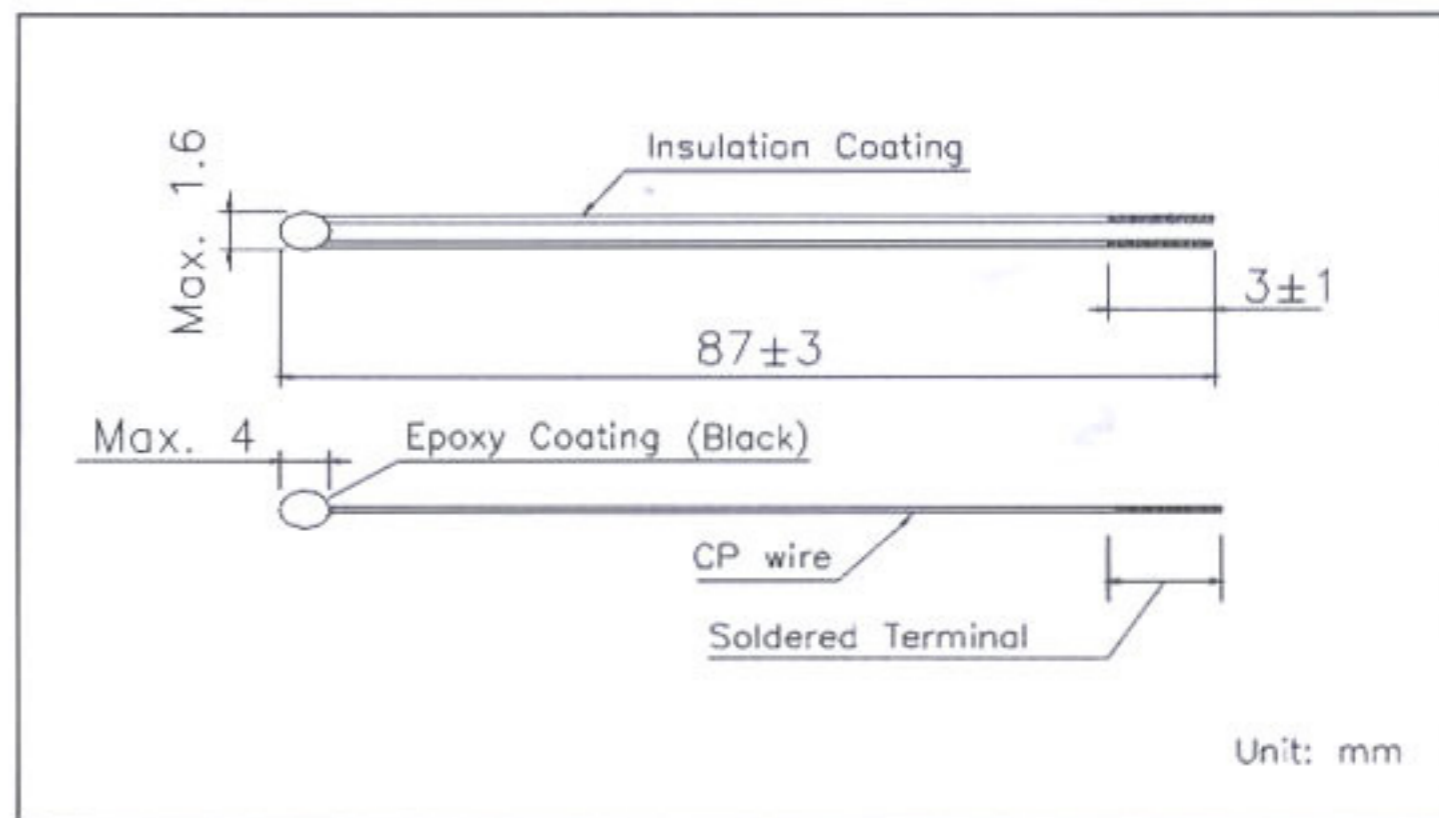
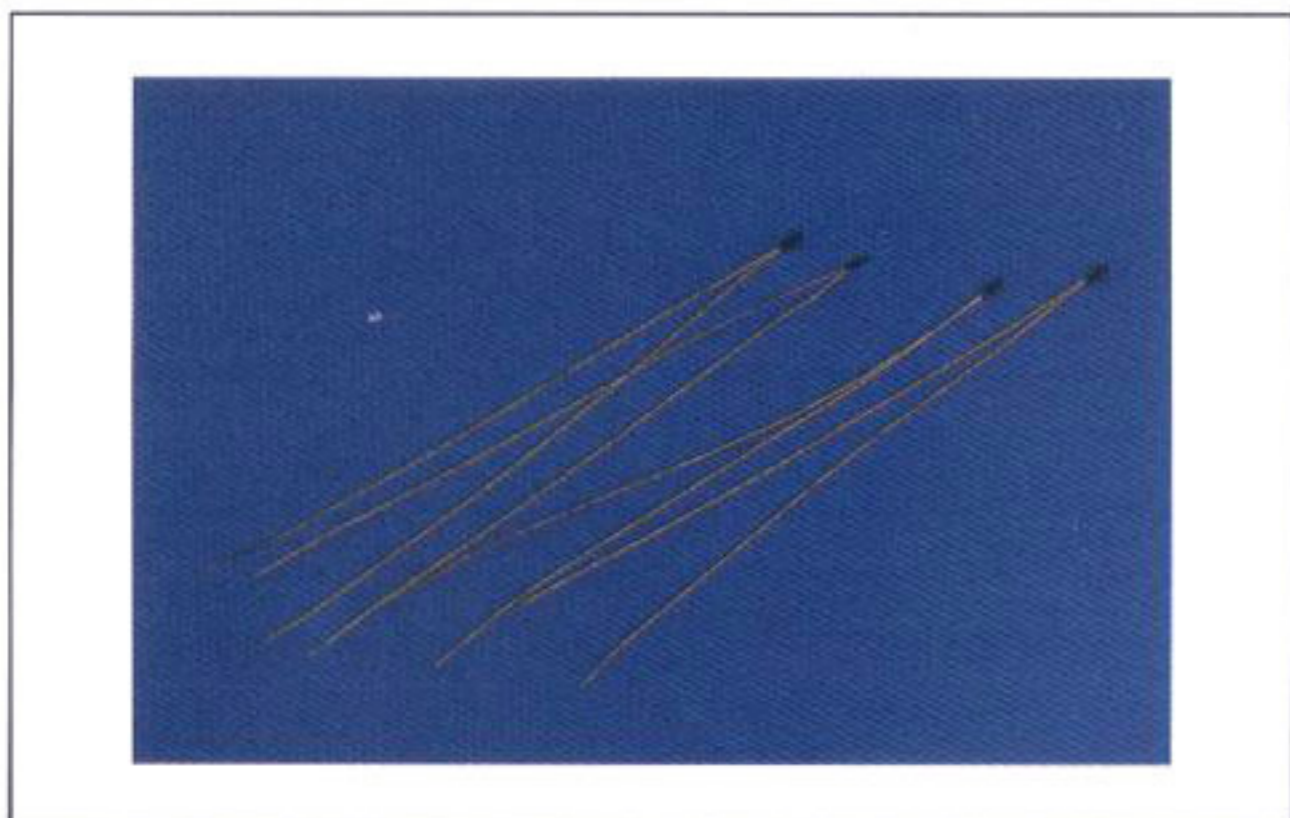


# Temperature Sensing Thermistors

## TS Series



### FEATURES:

- Fast response
- Excellent thermal cycle endurance
- Small size and High reliability

The TS thermistor is smaller than the HAT thermistor. Its rapid response time and high reliability make it suitable for use in medical equipment and thermometers.

## SPECIFICATIONS

Temperature ranges -50°C to 110°C

### R<sub>25</sub> :

Rated Zero-power resistance value at 25 °C

4,000 ohms
10,000 ohms
20,000 ohms
30,000 ohms
40,000 ohms
50,000 ohms
100,000 ohms
232,000 ohms

Tolerances ± 1%, ± 3%, ± 5%

### B value:

3100K - 4274K

Determined by rated zero-power resistance at 25 °C and 85 °C

R/T curve TS series thermistors are available in all R/T curve materials. Detailed curve information on pages 23-25.

Tolerances ± 1%

Dissipation constant 0.7 mW/ °C

Thermal time constant Typically 3.2 seconds in air

Maximum power rating 3.5 mW (at 25 °C )

### Ordering Map

**TS 103**

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④

Type  
Temperature Sensing Thermistors

Resistance value at 25°C  
10 × 10<sup>3</sup> Ω

B value  
25°C/85°C

Resistance tolerance  
1: ±1%  
3: ±3%  
5: ±5%