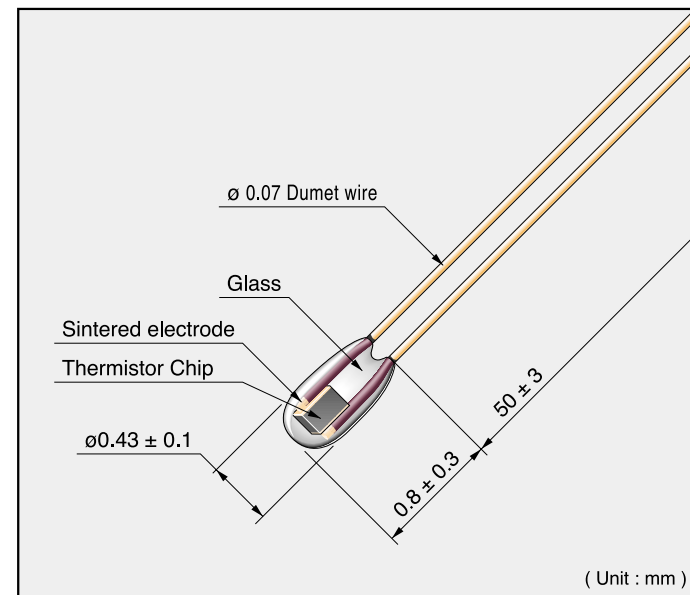


PSB-S9 THERMISTOR



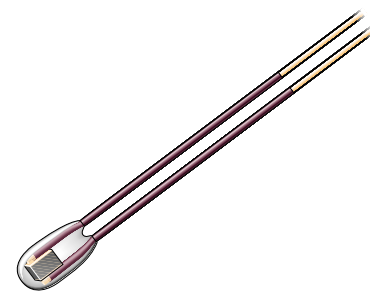
Features

- The smallest glass-sealed thermistor element ever produced in the world, which is capable of mass-production.
- Super micro sized glass-sealed thermistor materialized!! Outer diameter 0.43mm, 50% smaller volume than PSB-S7.
- Micro-sized thermistor chip with high speed response, high accuracy and high stability is used.
- Possible to enjoy excellent cost performance by this innovative thermistor element.
- Suitable for instruments & super micro tubes requiring high speed response and for measuring temperature at narrow space: Catheters for medical use, high responsive sensors for toner drum of copying machines/printers, non-contact sensors, extrafine metal protecting tube.
- Polyimido coating as standard specification.

Standard Specifications

Item	Type	Gold Electrode Type
Insulation resistance (between lead and glass)		Min. 10MΩ (50V d.c.)
Thermal time constant (in still air)		0.6 sec. (0.6 sec.)
Dissipation constant (in still air)		0.15 mW/°C
Operating temperature range		-50°C ~ +250°C

Options



Polyimide coating for insulation.
(Max. temp. 200°C)

Electrical Characteristics for Standard PSB-S9 Thermistors

Gold Electrode Type

Model	Nominal Zero-Power Resistance	B-value	R / T Curve
PB9 - 43 - SD6	R 25 = 10.74 kΩ ± 5.0 %	B 0 / 100 = 3450 K ± 2.0 %	C
PT9 - 25E2 - SD3	R 200 = 0.55 kΩ ± 5.0 %	B100 / 200 = 4300 K ± 3.0 %	E
PT9 - 312 - SD3	R 200 = 1 kΩ ± 5.0 %	B100 / 200 = 4537 K ± 3.0 %	F
PM9 - 342 - SD3	R 200 = 4 kΩ ± 5.0 %	B150 / 250 = 5014 K ± 3.0 %	G

I-V Curves

Gold Electrode Type

