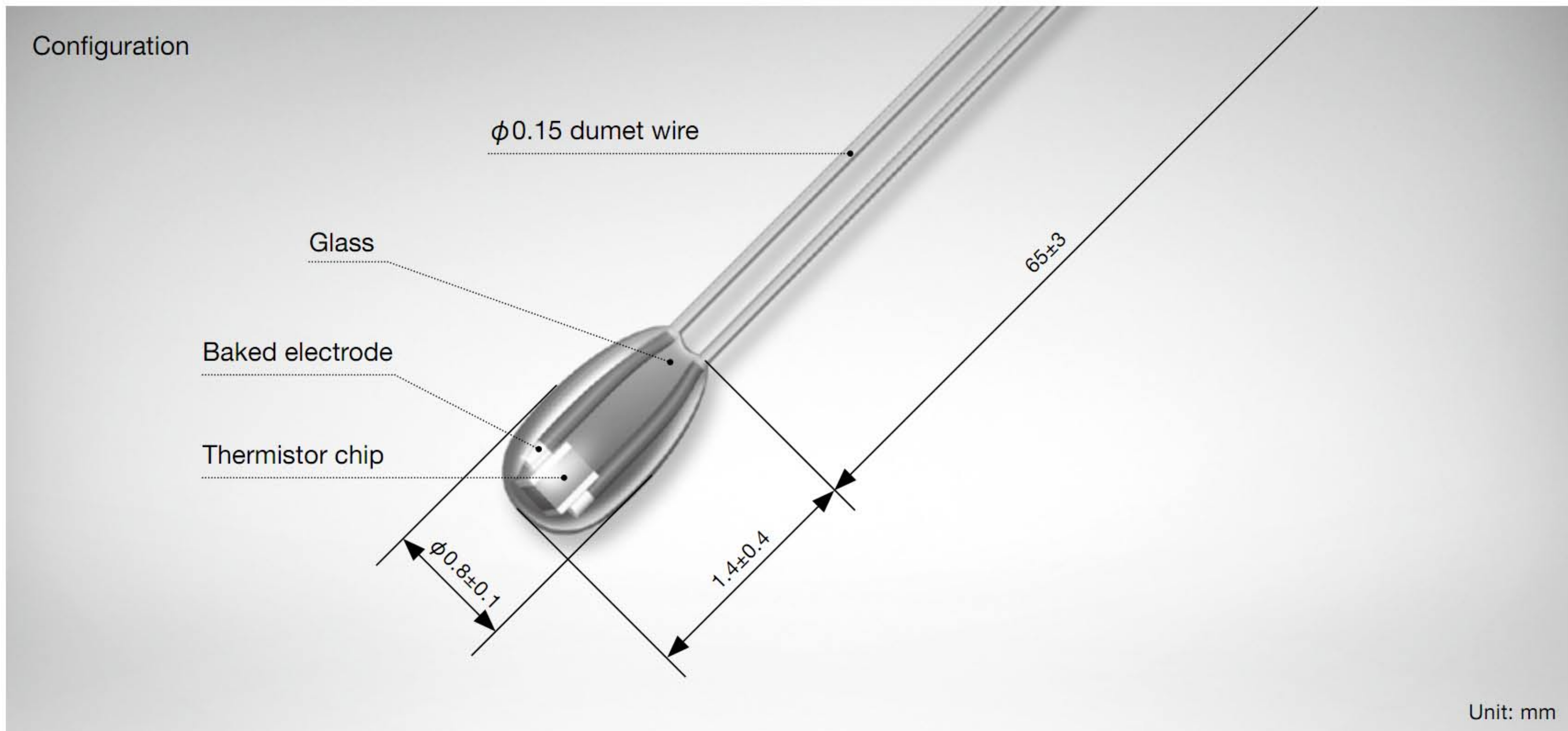


## PSB-S5 thermistor



### If you need thermistors for a quick response

The PSB-S5 is only available from Shibaura since it was first introduced as the most compact glass-encapsulated thermistor manufactured on an automated mass production line. With its compact design and  $\phi 0.15\text{mm}$  dumet wires, the PSB-S5 comes into wider use including the automotive field where vibration resistance is required.

#### Features

- ◆ Chip with gold electrodes
- ◆ High-level heat resistance and environmental stability secured by glass encapsulation
- ◆ Long-term stability in resistance
- ◆ Six times faster in response than the PSB-S1
- ◆ High-volume supply in high quality by integrated automatic production
- ◆ Patented in 8 major countries (Japan, the U.S., Canada, France, the U.K., Germany, Italy and Switzerland)

#### Applications

- Suitable for equipment requiring a quick response and for measurements in a narrow space
- Energy-saving and green-oriented automobiles (air mass flow, T-MAPS, HV/EV motors)
  - Fusers for copying machines

#### Operating temperature

-50 to +250°C

#### Thermal time constant

Approx. 2 sec.

#### Dissipation constant

Approx. 0.4mW/°C

#### Insulation resistance

Min. 10M $\Omega$  at 50VDC

#### V-I characteristics

