

Ring Terminal Temperature Sensor

TATEYAMA KAGAKU SENSOR TECHNOLOGY Co.,Ltd.

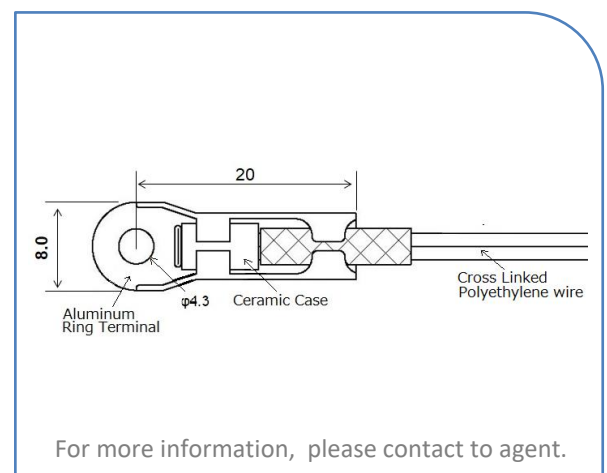
Features

- High Reliability with High quality thermistor element
- High Thermal Conductivity
- Easy to attach



Specification

Resistance value	$R_{25}=62k\Omega \pm 5\%$ (example)
B constant	$R_{25/85}=4100K \pm 2\%$ (example)
Heat dissipation constant	About 2.5mW/°C
Thermal time constant	About 6 sec (Hot Plate)
Operating temperature range	-40°C ~ 125°C



Reliability test

High temperature test	125°C × 1000h
Low temperature test	-40°C × 1000h
Thermal shock test	-40°C ↔ 125°C 30 min each, 300 cycles
Humidity test	85°C-85%RH-3mW × 1000h

Applications

- HEV
- Solar Power
- New energy Power Management
- Inverters



Specification are subject to change without notice.