

Automotive Temperature Sensor

TATEYAMA KAGAKU SENSOR TECHNOLOGY Co.,Ltd.

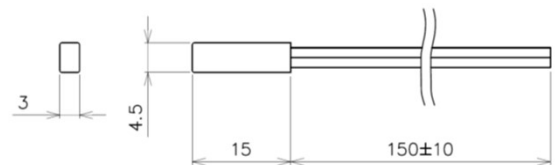
Feature

- ❑ High heat resistance, high insulation, High thermal conductivity by unique PPS resin case
- ❑ High oil resistance (ATF immersion)
- ❑ Cost reduction and stable quality by simple structure



Specification

Resistance value	$R_0=30k\Omega \pm 1\%$ (example)
B constant	$R_{0/100}=3450K \pm 2\%$ (example)
Heat dissipation constant	About 2.2mW/°C
Thermal time constant	About 4 sec (in stirring water)
Operating temperature range	-40°C~200°C



Wire length 100-300mm available

For more information, please contact to agent.

Reliability test

High temperature test	200°C × 1000h
Low temperature test	-40°C × 1000h
Thermal shock test	-40°C ⇄ 200°C 10 min each, 1000cycles
Oil resistance test	150°C(ATF immersion) × 1000h

Application

- Motor
- Reactor
- Generator
- PCU (Power control unit)

