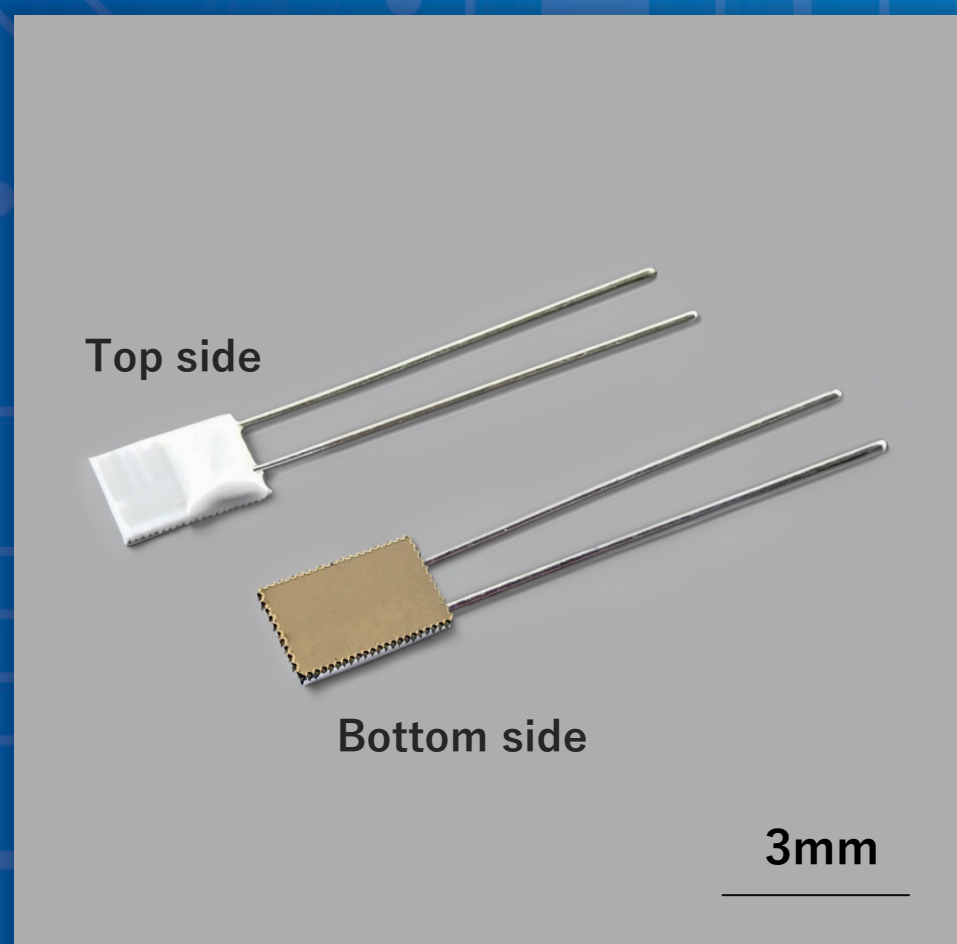


水素の高精度な温度測定が可能

Highly accurate temperature measurement of hydrogen is possible



参考出品

Development Planning

極低温温度センサ Cryogenic Thermal Sensors

特長

Features

-253°Cから長期安定した温度測定が可能

Long-term stable temperature measurement is possible from -253°C

80MPaの高圧水素中でも高精度に測定可能

Highly accurate measurement is possible even in high pressure hydrogen of 80MPa

裏面メタライズによる優れた熱応答性

Good thermal response due to bottom side metallization

定格

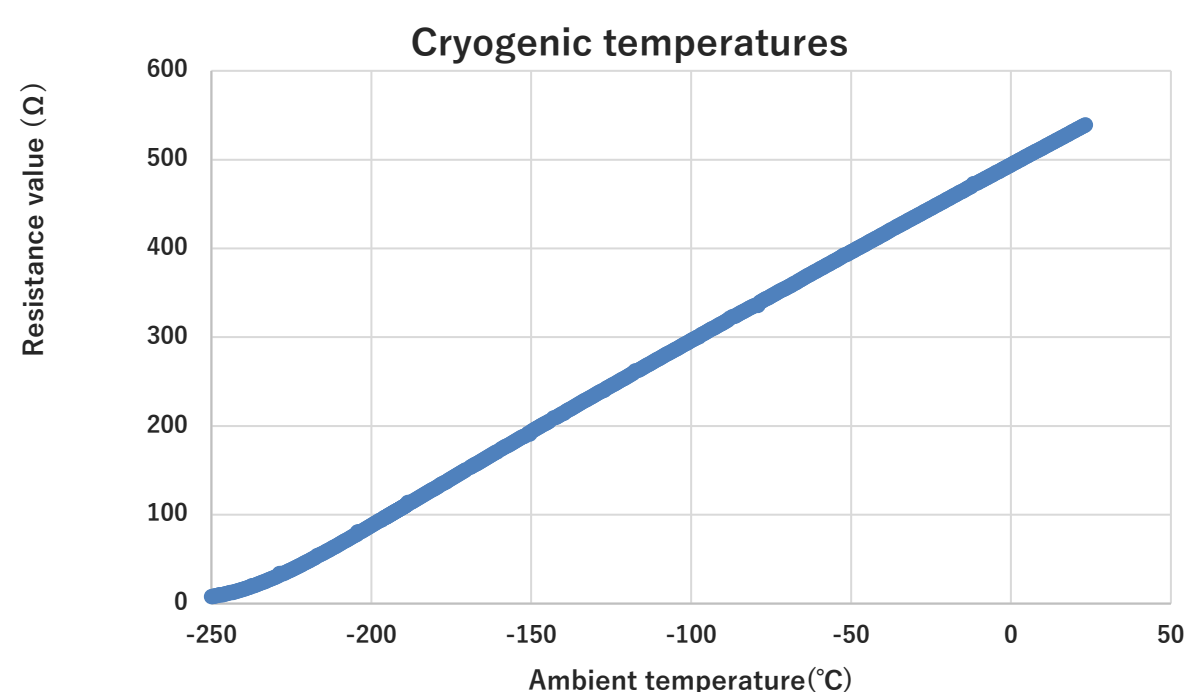
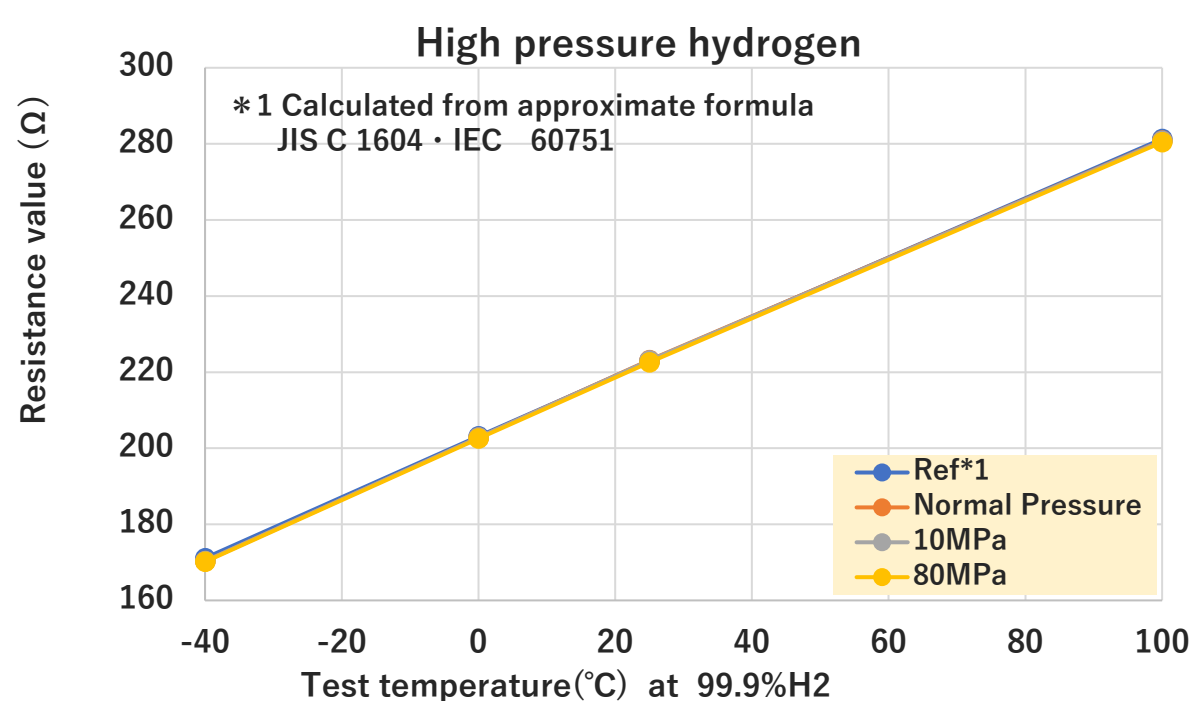
Ratings

Size (mm)	Resistance at 0°C (Ω)	Resistance tolerance (%)	Min. Operating Temperature (°C)
2.0 × 3.0 t=1.2	100~1k	±0.12*1	-253

*1 Temperature conversion value : ±0.3°C

温度特性

Temperature characteristics(Reference value)



用途

Applications

水素ガスエンジン車/燃料電池車 (FCEV)

Hydrogen gas engine vehicles Fuel cell vehicles (FCEV)

水素インフラ (水素スタンド、水素発電所、水素輸送)

Hydrogen infrastructure

(Hydrogen stations, hydrogen power plants, and hydrogen transportation)



Thermal sensor