

EV/HEV Battery Pack Temperature Sensor

This temperature sensor is designed for monitoring battery pack temperature in electric and hybrid vehicles. It offers fast response and high accuracy, with installation flexibility for battery cell integration, and a minimum installation thickness of 3mm.



Product Overview

High-Precision Battery Thermal Management

This temperature sensor is engineered specifically for monitoring battery pack thermal conditions in electric vehicles (EV), hybrid electric vehicles (HEV), and fuel cell systems. It features a fast response time and high accuracy, capable of detecting changes within 0.1°C. Designed for ease of integration, the sensor is flexible and compact, with an installation thickness of less than 3mm, making it ideal for tight spaces close to battery cells.

Technical Specifications

主要技术参数

TECHNICAL PARAMETERS

阻值、B值可依客户需求制定
Resistance, B value can be customized

耐电压 Withstand Voltage
≥ AC 2000V

工作范围 Operating Temperature
-40°C-150°C

Technical parameters overview, including operating temperature range and voltage specifications.

Operating Temperature	-40°C to 150°C
Withstand Voltage	≥ AC 2000V
Customization	Custom Resistance, Custom B Value

Key Performance Metrics

Performance Highlights

0.1 °C

Accuracy

3 mm

Max Installation Thickness

Application & Design

Applications

EV Battery Packs • HEV Battery Packs • Fuel Cell Systems • BMS Integration

Design Advantages

- Fast response time
- Flexible form factor
- Easy to assemble
- High accuracy sensing