

EV/HEV PTC Heater Module Temperature Sensor

This temperature sensor is designed for electric and hybrid vehicle PTC heater modules. It offers high temperature resistance up to 200 and high insulation with a small, easy-to-install design and rapid response.



Product Overview

High-Performance Temperature Sensing for EV/HEV

This high-precision temperature sensor is specifically engineered for electric vehicle (EV) and hybrid electric vehicle (HEV) Positive Temperature Coefficient (PTC) heater modules. Designed to withstand harsh automotive environments, it offers exceptional thermal resistance up to 200°C and superior insulation capabilities. Its compact form factor ensures easy installation, while the high-speed reaction time provides the reliable data needed for optimal heater control and system longevity.

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	绝缘耐压 Withstand insulation and voltage DC500V+ AC2000V+	工作温度 Operating Temperature -40~200°C
阻值 Resistance 1KΩ-1MΩ	B值 B value 3200-5000k	

Technical specifications overview including temperature range, resistance, and voltage ratings.

Operating Temperature	-40°C to 200°C
Resistance Range	1KΩ - MΩ
B Value	3200 - 5000k

Electrical Ratings

Withstand Insulation Voltage

500 V

DC Insulation Voltage

2000 V

AC Insulation Voltage

Features

Key Features

- High temperature resistance up to 200°C
- High grade of insulation
- Compact size for easy installation
- High reaction speed
- Customizable resistance and B value

Application Compatibility

EV, HEV, PTC Heater Modules, Automotive Heating Systems