

Temperature Sensor Portfolio

Under development

- Sensing temperature of cooling water and oil in automotive systems
- Sensing temperature of busbars and battery packs in high-voltage parts

Background or assignment

Vehicle thermal management is necessary to control the temperature of various devices, including battery packs and e-Axle, and sensors are essential to detect temperature.

Solutions to Challenges

- 1 Fast reaction
- 2 Cost reduction
- 3 Flexible mounting

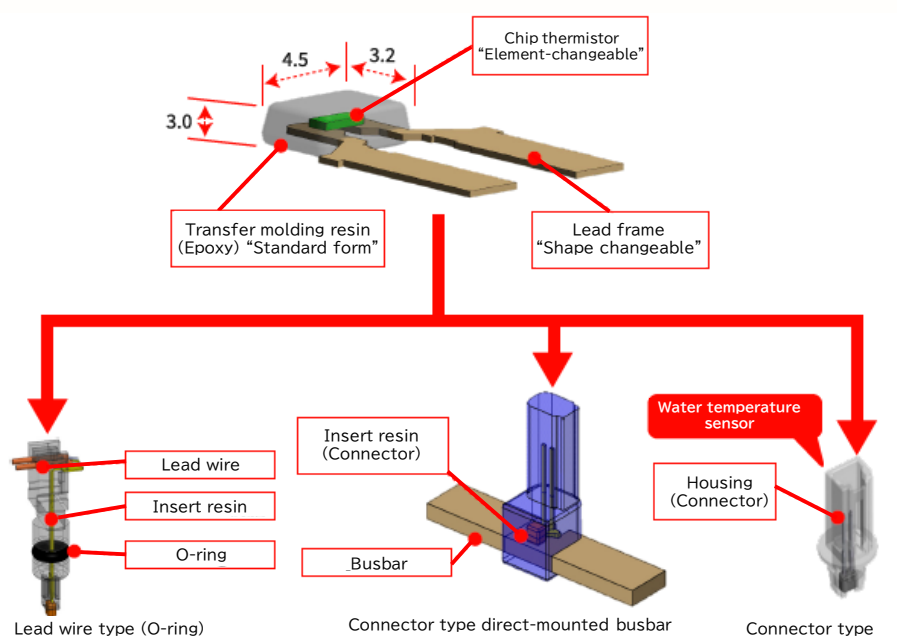
Main performance, specifications and structure

Temperature Sensor with Chip Thermistor

Under development
Scheduled to be installed in 2026

Features

1. Highly reliable transfer mold form
2. Fast reaction
3. High size precision and flexible mounting
(Can pull out lead wires and change connector types)



Water Temperature Sensor

Under development
Scheduled to be installed in 2026

Features

1. Fast reaction
2. High reliability and durability
3. Cost reduction by commonizing the temperature sensing area

