

CUSTOM SEMITEC THERMISTORS: AUTOMOTIVE APPLICATIONS

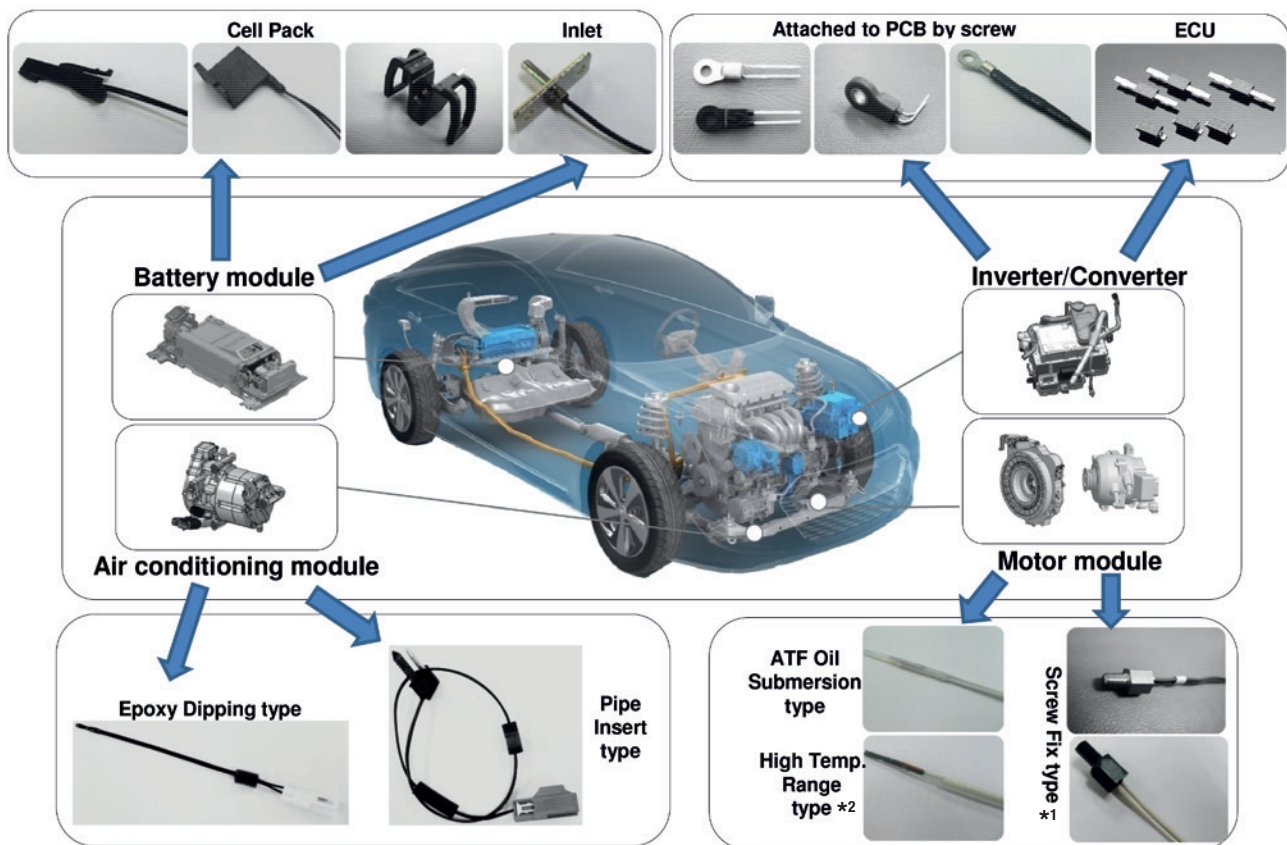
FEATURES

- » Customized temperature sensors designed according to individual customer's and application requirements
- » Leading supplier for HV/EV application in Japan with >80% market share
- » Variety of metal and plastic housings and tubings designed for specific applications
- » Wide range of Resistance/Temperature characteristics

APPLICATIONS

- » Engine management systems e.g. oil, fuel and coolant temperature
- » Exhaust gas and EGR temperature
- » Hybrid & electric vehicles e.g. temperature sensors for battery packs (Li-Ion, Ni-MH), eWheel drive, eMotor, control unit
- » DC/DC converter / inverter
- » Climate control units

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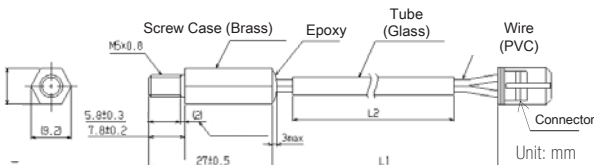


MOTOR MODULE – Screw-Type-Pipe Sensor*1



FEATURES

- » high accuracy and climate resistance
- » R_{25} : 10.0 k Ω ±0.5%
- » $B_{25/85}$: 3435 K±0.5%
- » Temperature range: -40°C ... +150°C
- » Diel. strength voltage: 600V_{AC} 1 s



MOTORMODUL – Teflon-Tube-Sensor *2



FEATURES

- » thin tip and excellent responsiveness
- » R_{100} : 1.0 k Ω ±5%
- » $B_{0/100}$: 3387 K±2%
- » Temperature range: -40°C ... +250°C
- » Diel. strength voltage: 1200V_{AC} 1 s

