

STS2 - NTC Ring Terminal Temperature Sensors

The STS2 series ring terminal temperature sensors feature insert-moulded housings with standard M3 and M4 ring terminals, allowing for easy surface mounting and providing fast thermal response with strong electrical isolation & thermal insulation. They are available with various lead-wire types, insulation options, ring terminal sizes, connectors, and NTC thermistors, allowing for customisable configurations to suit a wide range of applications.

Applications

- Electric Vehicle Batteries
- Rechargeable Batteries
- Heat-sink monitoring
- Heating and air conditioning
- Motor bearing monitoring
- Hot water appliances

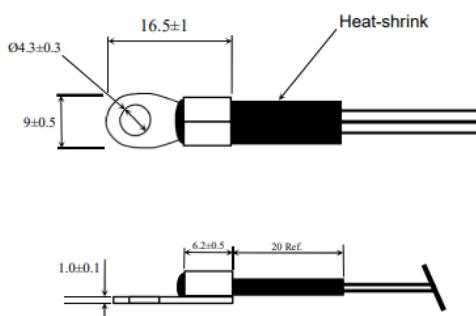
Features

- Fast response design ($T_c \leq 5s$)
- Accuracy $\pm 1\%$ or better
- Interchangeability between NTCs
- Excellent long-term stability
- Operating range up to $+150^\circ\text{C}$

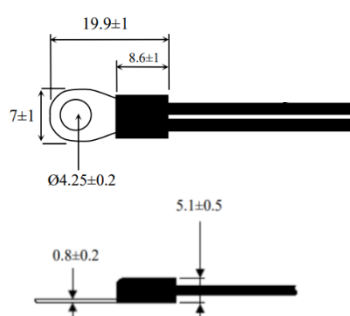


Drawings

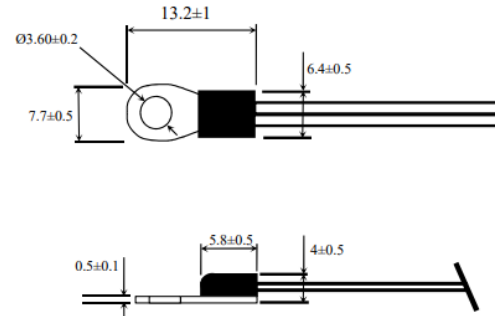
M4 ring | 20 - 22 AWG leads



M4 ring | 24 - 28 AWG Leads



M3 ring | 28 AWG leads



NTC Thermistor Series	AT, AP, ET, NT, SP
Temperature Range	$-50^\circ\text{C}/+150^\circ\text{C}$
Sensor Accuracy	$\pm 0.3^\circ\text{C}$ or better
Sensor Material	Plastic, metal or insert-moulded
Lead Wires	From 24~30 AWG PVC, XLPE, FEP
Connectors	JST XHP-2, Molex mini-fit Jr., etc.

Options: Special versions available for volume applications (Ring terminal sizes, lead lengths, wire gauge, connectors, thermistors)

For further information please contact us at sales@atcsemitec.co.uk