



# CAPABILITIES AND CUSTOM OPTIONS

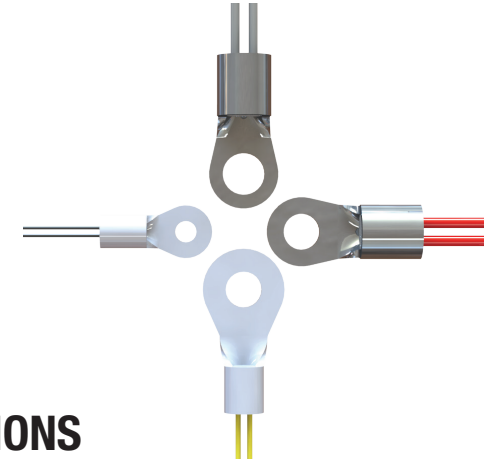
## NTC LUG THERMISTORS – SURFACE TEMPERATURE SENSORS

Application	Advantage
On-board chargers	Accurate surface temp measurement*
DC/DC converters	Fast response time*
Robotics	Mechanical flexibility*

### SPECIALTY DEVICES

Design Issue	Solution	Series
Measure the surface temperature	Ring tongue thermistor	NTCALUG01A
Thermal gradient	Use of low thermal conductivity conductors	NTCALUG02A
Response time	Small aspect ratio	NTCALUG03A
Dielectric withstand voltage	Up to 2.7 kV	NTCALUG01T
High temperature	150 °C	NTCALUG01T
Customization	Custom sensor solution	NTCALUG*

\* For more details on the customization of this product, please contact [NLR@vishay.com](mailto:NLR@vishay.com)



### CUSTOM OPTIONS

- Different mounting screw sizes: M2 to M8
- Different stud screw sizes: STUD#1 to #5/16
- Cable cross sections: AWG#24 down to AWG#32
- Different cable lengths available
- Various RT tables (electrical curves)
- Standard connectors available
- Minimum breakdown voltages from 500 V<sub>AC</sub> up to 2700 V<sub>AC</sub>. Higher values on request
- Insulated cables or non-insulated wires
- Copper or nickel conductors, tin or silver plated
- Specific designs for high temperature operation. For example, 150 °C long term
- Designs for minimum breakdown voltage and insulation resistance
- 5 kV impulse voltage available (IEC 61800-5-1)
- AEC-Q200 qualified and UL certifications available