**Thermistor Temperature Sensor**

**Model ERT150**

**DESCRIPTION**
A thermistor style heavy-duty analog temperature sensor intended for use as a steady state temperature sensor for demanding industrial and off-highway equipment.

**FEATURES**
- Thermistor technology for low cost and reliability.
- Rugged design for durability in harsh conditions.
- Pigtail with connector for installation in tight places.
- Stainless steel body.

**RATINGS**

**PERFORMANCE:**
- Sensing Temperature: –40°C to 150°C (–40°F to 300°F)
- Output Signal: 26246 to 33.89 ohms
- Accuracy: ±2°C from 30°C to 70°C
- Sense Current: <10 mA at 25°C
- Response Time 10% to 90%: <15 sec.
- Nominal Output at 25°C: 1000 ohms

**INSTALLATION REQUIREMENTS:**
- Electrical Connection: Pigtail with Deutsch DT04-2P
- Mating Connector: Deutsch DT06-2S
- Port Size: SAE #6
- Torque: 20 ±3 Nm (15 ±2 ft.-lb.)

**ENVIRONMENTAL RATINGS:**
- Operating Pressure: 10 bar (145 psi) maximum
- Vibration: 20 grms (20 Hz to 20 KHz)
- Weather Rating: IP67
- O-Ring Material: Fluorocarbon
- Short Circuit Protection: Short to +Batt may cause failure of the probe
- Error Handling: Device measuring will sense open or short (>100 ohms or <5 ohms)

**STEINHART-HART CONSTANTS:**
- A = 1.426654 E-03
- B = 2.69848 E-04
- C = 1.86111 E-07

**DIMENSIONS**

**TO ORDER**
- **Temperature Sensor** Model: ERT150-R-LD-06 Part No. 4204440
- **Mating Connector** Deutsch Model: DT06-2S HF Part No. 4001951