

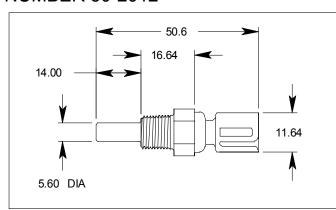
TEMPERATURE SENSOR **PRODUCT DATA**

TEMPERATURE SENSOR

PART NUMBER 30-2012

FEATURES:

- Design for Manufacturability
- Cost Effective
- Robust Design
- Few Components
- Few Assembly Processes
- Thermistor Technology
- 100% Calibration Certified



THERMAL & ELECTRICAL PROPERTIES

5V DC Typical Voltage Supply:

Operating Temperature:

Sensor Tip: -40°C to 200°C

Connector: -40°C to 150°C

Resistive Range (Ohms): See Table Dissipation Constant: * 12 mW/°C Thermal Time Constant: ** 10 seconds

Accuracy: See Table

MECHANICAL PROPERTIES

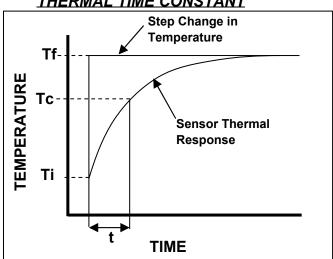
Sensor Body Material: **Brass**

> **PA66** Connector:

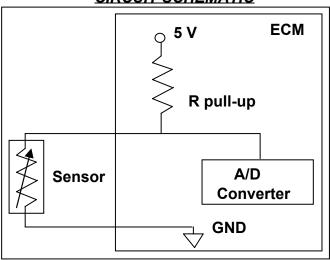
Hex Size: 12.70 mm (1/2") Thread Size: 1/8" - 27 PTF 12047662 Mating Connector:

12.2 g **Overall Wieght:**

THERMAL TIME CONSTANT



CIRCUIT SCHEMATIC



- The ratio, at a specified ambient temperature, of the change in the power dissipation of the sensor to the resulant temperature change of the thermistor. Test medium: silicone oil
- ** The time required for the sensor to achieve 63.2% of its steady state value when subjected to a step change in ambient temperature [Tc=(Tf-Ti)*63.2%+Ti]. Test medium: silicone oil.