THERMOMETRICS
A COMMITMENT TO EXCELLENCE

Insulated Lead Chip Sensor

This type of thermistor from Thermometrics is used for measuring the temperature of the engine and for other parts of the automobile. Powder epoxy is used for improved heat resistance and for moisture and chemical resistance. The polytetraflouroethylene insulated wire is nickel and can be welded or soldered.

Applications

- Water temperature sensor for automobiles
- Air temperature sensor for automobiles
- MAP sensor for automobiles
- Oil temperature sensor for automobiles

Features

- Cost effective solid state sensor
- Excellent mechanical strength
- Wide operating temperature range with excellent stability
- Available in a wide range of materials and resistances
- Can be used in a wide variety of applications
- Overall length can vary up to 3 in (76.2 mm)

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Lead Chip Specifications

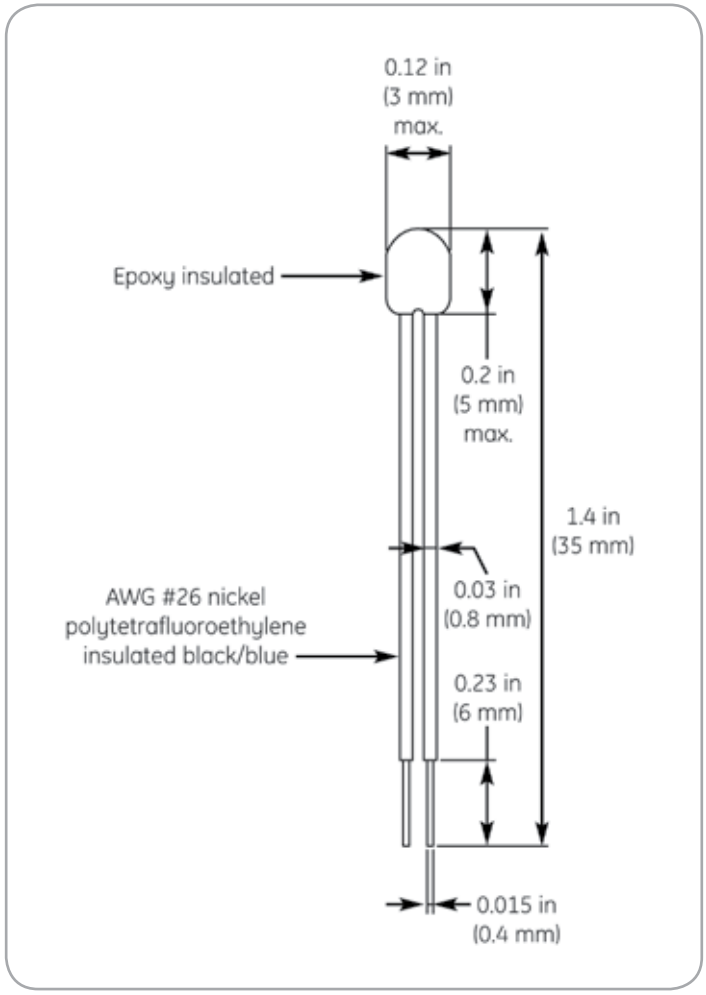
Thermal Time Constant
10 seconds (cooling in air)

Dissipation Factor
2.5 mW/°F (°C)

Operating Temperature Range
-40°F to 302°F (-40°C to 150°C)

Maximum Operating Current at 77°F (25°C)
2 mA

Supply Voltage
DC 5V



Insulated lead chip sensor dimensions

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