

T H E R M O M E T R I C S
A C O M M I T M E N T T O E X C E L L E N C E

Washer-Type Thermistor



The Thermometrics Washer-Type Thermistor is used to measure the temperature of an automobile engine. The thermistor has excellent mechanical characteristics, including a bending strength of 14.7 N (minimum) and the compression strength of 9.8 N. The thermistor is heat-proof, has a wide operating temperature range and is reliable.

Applications

- Water temperature sensor for automotive gauges

Features

- High accuracy
- Excellent mechanical characteristics
- Excellent electrical characteristics
- Diameter sized to fit easily in brass probe bodies



Amphenol
Advanced Sensors

Washer-Type Thermistor Specifications

Thermal Time Constant

Within 2 seconds [212°F (100°C) = >77°F (25°C) cooling in fluid]

Dissipation Factor

4 mW/°F (°C)

Operating Temperature Range

-22°F to 392°F (-30°C to 200°C)

Preserving Temperature Range

-40°F to 392°F (-40°C to 200°C)

Maximum Operating Current at 77°C (25°C)

2 mA

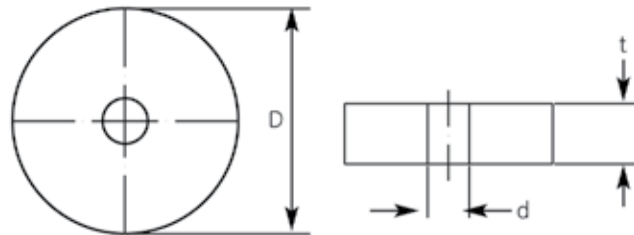
Maximum Rated Power Consumption

700 mW

Supply Voltage

12 VDC

Dimensions



Dimensions in (mm)		
	Type "A"	Type "B"
D	0.292 to 0.296 in (7.5 to 7.6 mm)	0.19 to 0.21 in (5.0 to 5.4 mm)
d	0.039 to 0.078 in (1.0 to 2.0 mm)	0.117 to 0.132 in (3.0 to 3.4 mm)
t	0.058 to 0.097 in (1.5 to 2.5 mm)	0.050 to 0.089 in (1.3 to 2.3 mm)