

GE Sensing

Features

- Characteristics according to DIN IEC 751
 - Temperature range: -58°F to 1112°F (-50°C to 600°C)
 - Excellent long term stability
 - High reliability
 - Insensitive to vibration
 - Insensitive to thermal shock
 - Rapid response time
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Applications

- Heating and air conditioning
 - Automotive
 - Domestic appliances e.g. ovens
 - Industrial process control
 - Portable temperature measuring and test equipment
 - Surface temperature
 - Energy metering
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RTDs Type PT

Thermometrics Platinum Sensors For Temperature Measurement

RTDs Type PT are Thermometrics products. Thermometrics has joined other GE high-technology sensing businesses under a new name—GE Industrial, Sensing.



Types PT Specifications

Description

Thin film RTD sensing element on ceramic substrate

Options

- Tight tolerance grouping (e.g. for accurate differential temperature measurement)
- Non-standard dimensions, resistance, length of lead wires and temperature range
- Extended maximum temperature of 1382°F (750°C) and higher

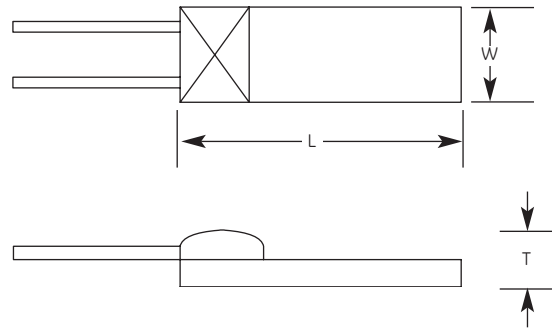
Termination Data

- **PTR, PTP:** Nickel wires platinum coated
0.0098 in (0.25 mm) diameter
- **PTF:** Brass wires, solder coated
- **PTNK:** Silver palladium pad, solder coated

Types

Sensors Type	Dimensions W x L x T mm	Resistance Ro at 32°F (0°C)			Temperature range in tolerance class DIN B (°C)
		100Ω	500Ω	1000Ω	
PTFA	2.9x10.0x1.4	·	·	·	-50 to +600
PTFB	2.0x10.0x1.4	·	·	·	-50 to +600
PTFC	2.0x2.4x1.4	·	·	·	-50 to +600
PTFD	2.0x5.0x1.4	·	·	·	-50 to +600
PTFE	3.9x5.0x1.4	·	·	·	-50 to +600
PTFN	1.7x5.0x1.1	·	·	·	-50 to +600
PTSB	2.4x10.0x1.4	·	·	·	-40 to +150
PTSE	3.7x6.0x1.4	·	·	·	-40 to +150
PTNK	3.7x 8.4x1.1	·	·	·	-40 to +150
PTRA	4.5x13.0	·	·	·	-50 to +600
PTRB	2.8x13.0	·	·	·	-50 to +600
PTRN	2.2x7.5	·	·	·	-50 to +400
PTDA *	4.5x13.0	·	·	·	-50 to +600
PTDB *	2.8x13.0	·	·	·	-50 to +600

* Contains 2 Pt sesors



NTC Type PT dimensions



Ordering Information

The code number to be ordered may be specified as follows:

Code	Type
PT	Platinum Resistor (Platinum Sensor)
D	Double
F	Flat
N	Chip
R	Round
S	Comatel Pin
C	Size 0.078 in x 0.094 in (2.0 mm x 2.4 mm)
101	100Ω
501	500Ω
102	1000Ω
B	Code Tolerance class B according to DIN IEC 751)
XXX	Code Type Special Types (Customer Specific)

PT - - - - - Typical model number



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