

RTDs: TYPE PT

PLATINUM SENSORS FOR TEMPERATURE MEASUREMENT

DESCRIPTION:

Thin film RTD sensing element on ceramic substrate

FEATURES:

- Characteristics according to DIN IEC 751
- Temperature range: -50 to +600°C
- Excellent long term stability
- High reliability
- Insensitive to vibration
- Insensitive to thermal shock
- Rapid response time

APPLICATIONS:

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

TYPES:

Sensor type	Dimensions W x L x T mm	Resistance Ro at 0°C			Temperature range in tolerance class DIN B (°C)	
		100- Ω	500- Ω	1000- Ω		
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	

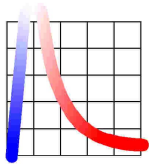
* - contains 2 Pt sensors

Data sheet D-PT-1

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PLATINUM SENSORS FOR TEMPERATURE MEASUREMENT

TERMINATION DATA:

PTR, PTP Nickel wires platinum coated
 0.25mm diam
PTF Brass wires solder, coated
PTNK Silver palladium pad, solder coated

CODING:

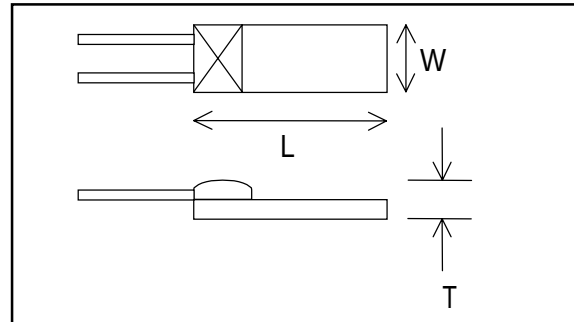
PT	F	C	101	B	XXX
1	2	3	4	5	6

- (1) Platinum resistor (Platinum sensor)
- (2) Type (D = double, F = flat, N = chip, R = round, S = Comatel pin)
- (3) Size (e.g. C = 2.0mm x 2.4mm)
- (4) Resistance value (101 = 100Ω, 501 = 500Ω, 102 = 1000Ω)
- (5) Tolerance (B = class B according to DIN IEC 751)
- (6) Special types (customer specific)

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 750°C and higher

DIMENSIONS:



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