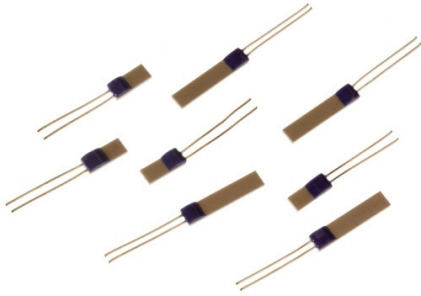


Data sheet

Platinum Thin Film Detectors

Platinum Sensing Resistors – Thin Film (Pt100 & Pt1000 Ohm)



Pt100 Elements, Thin Film (100 Ohm)

- Pt100 elements to IEC751 Class A, B and 1/3DIN
- For use from -50°C to $+500^{\circ}\text{C}$
- Thin film construction
- Suitable for surface & immersion applications where protected
- Vibration resistant

Specifications:

Sensor type:	Pt100 (100 Ohms @ 0°C)
Construction:	Thin film, 10mm tails
Temperature range:	-50°C to $+500^{\circ}\text{C}$
Ice point resistance:	100 Ω
Fundamental interval (0°C to 100°C):	38.5 Ω (nominal)
Self heating:	<0.5 $^{\circ}\text{C}/\text{mW}$
Thermal response:	0.1s
Stability:	$\pm 0.05\%$

Resistance	Dimensions (width x length)	Tolerance Class	RS order code
Pt100	2 x 5.0mm	Class A	611-7788
Pt100	2 x 5.0mm	Class B	611-7801
Pt100	2 x 5.0mm	Class B	290-5070 (Packet of 5)
Pt100	2 x 10mm	Class A	362-9799
Pt100	2 x 10mm	Class B	237-1607
Pt100	2.0 x 10mm	1/3DIN	362-9812
Pt100	2.0 x 2.3mm	Class A	362-9834
Pt100	2.0 x 2.3mm	Class B	362-9840
Pt100	2.0 x 2.3mm	1/3DIN	362-9856

Data Ref: RS025/0812



Data sheet

Platinum Thin Film Detectors

Platinum Sensing Resistors – Thin Film (Pt100 & Pt1000 Ohm)

Pt100 Elements (continued)

Resistance	Dimensions (width x length)	Tolerance Class	RS order code
Pt100	1.2 x 1.6mm	Class A	666-7362
Pt100	1.2 x 1.6mm	Class B	666-7353
Pt100	1.0 x 3.0mm	Class A	666-7359
Pt100	1.0 x 3.0mm	Class B	666-7356
Pt100	2.0 x 5.0mm	1/3 Din	814-0162
Pt100	1.2 x 4.0mm	Class B	814-0165
Pt100	1.2 x 4.0mm	Class A	814-0169

Pt1000 Elements, Thin Film (1000 Ohm)

- Pt1000 elements to IEC 751 Class A and B
- For use from -50°C to $+500^{\circ}\text{C}$
- Thin film construction
- Suitable for surface & immersion applications where protected
- Vibration resistant

Specifications:

Sensor type:	Pt1000 (1000 Ohms @0°C)
Construction:	Thin film, 10mm tails
Temperature range:	-50°C to +500°C
Ice point resistance:	1000Ω
Fundamental interval (0°C to 100°C):	385Ω (nominal)
Self heating:	<0.5oC/mW
Thermal response:	0.1s
Stability:	±0.05%

Resistance	Dimensions (width x length)	Tolerance Class	RS order code
Pt1000	2.0 x 10.0mm	Class A	362-9907
Pt1000	2.0 x 10.0mm	Class B	362-9913
Pt1000	2.0 x 10.0mm	1/3 Din	814-0178
Pt1000	1.0 x 3.0mm	Class B	814-0171
Pt1000	1.25 x 1.7mm	Class B	814-0175

