

FEATURES

- Available with either a 2mm or 1.4mm probe diameter
- 2mm, 5mm and 10mm probe length offered in this range
- Temperature measurement range of -50 °C and 600°C, 2938446 has a temperature range of -70 °C and +550°C
- Response time of 1 m/s and 0.4 (Water)s, 20 (Air)s, offered in this range of probes
- PT100, PT1000 and PT500 sensors available in this range

RS PRO PT100 Sensor, -50°C min +600°C max, 2mm Probe Length x 2mm Probe Diameter

RS Stock No.: 181-2028



RS Professionally Approved Products bring to you professional quality parts across all product categories. Our product range has been tested by engineers and provides a comparable quality to the leading brands without paying a premium price.

Product Description

From RS PRO, comes a range of high quality platinum probes. With its robust construction, these probes are an excellent solution for temperature measurement.

General Specifications

Sensor Type	PT100
Probe Material	Platinum
Accuracy	Class A
Response Time	1m/s
Construction	Platinum coat on substratum ceramic, Platinum nickel wires
Tolerance	$\pm 0.15 + 0.002.[t^{\circ}\text{C}]$
Applications	Platinum resistance thermometers have a variety of application use such as: Heating, Air conditioning, Stoves and grills, Food processing, Energy

Electrical Specifications

Ice point resistance	100 Ω
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Mechanical Specifications

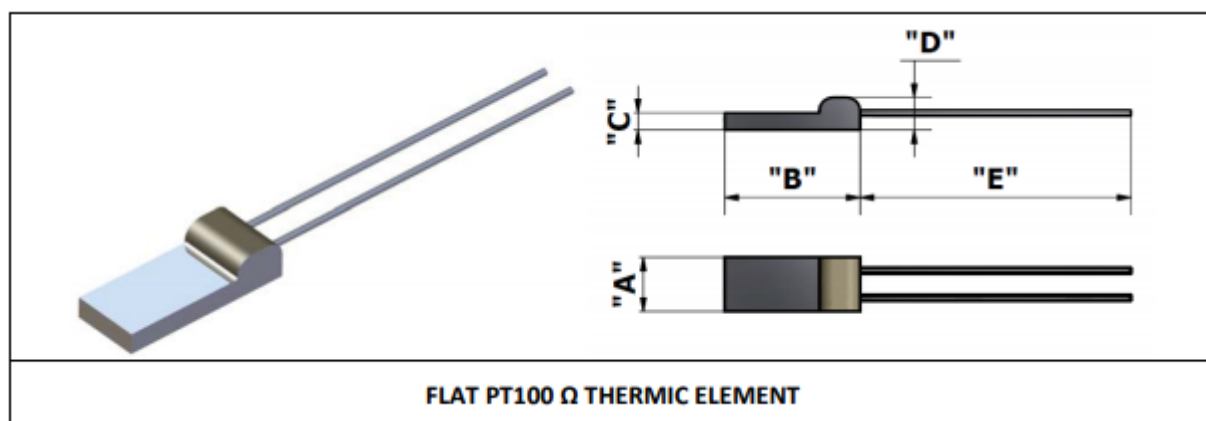
Probe Length	2mm
Probe Diameter	2mm
Legs length	10mm \pm 1mm
Legs diameter	0.2mm \pm 0.02mm
Termination Type	Solder
Process Connection	Chip

Operation Environment Specifications

Minimum Temperature Sensed	-50°C
Maximum Temperature Sensed	600°C

Approvals

Compliance/Certifications	IEC751
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Other Dimensions :

Precision Substrat length "B"	CLA	CLB	1/3DIN
2mm	181-2028	181-2012	293-8430
5mm		293-8519	
10mm	181-1996	181-1980	293-8418