## 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 PT1000 Sensor, -70°C min +550°C max, 10mm Probe Length x 2mm Probe Diameter

RS Stock No.: 293-8446
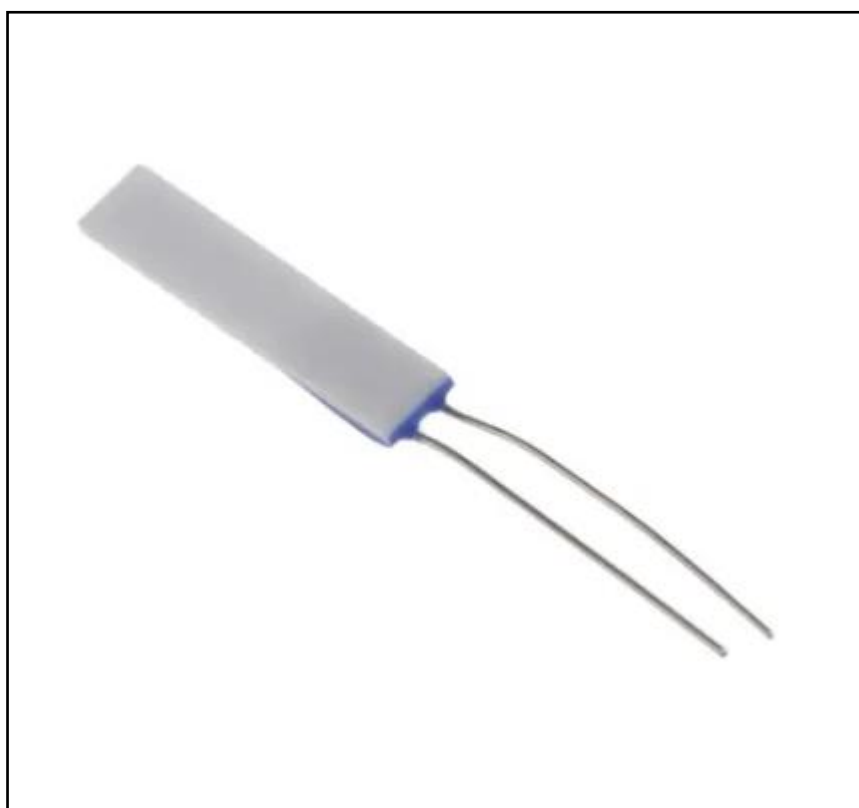
RS Professionally Approved Products bring to you professional quality parts across all product categories. Our product range has been tested by engineers and provides a comparable quality to the leading brands without paying a premium price.

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	PT1000
Probe Material	Platinum
Accuracy	Class 1/3 B
Response Time	1m/s
Construction	Sensing element PT1000Ω Class 1/3DIN, measuring current 0.3 à 1.0mA
Vibration Resistant	Yes
Tolerance	±0.10 + 0.002.[t°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	1000Ω
Measuring current	1mA

Mechanical Specifications

Probe Length	10mm
Probe Diameter	2mm
Legs length	10mm ±1
Legs diameter	0.9.±0.3mm
Termination Type	Solder
Process Connection	Chip

Operation Environment Specifications

Minimum Temperature Sensed	-70°C
Maximum Temperature Sensed	500°C

Approvals

Compliance/Certifications	IEC751
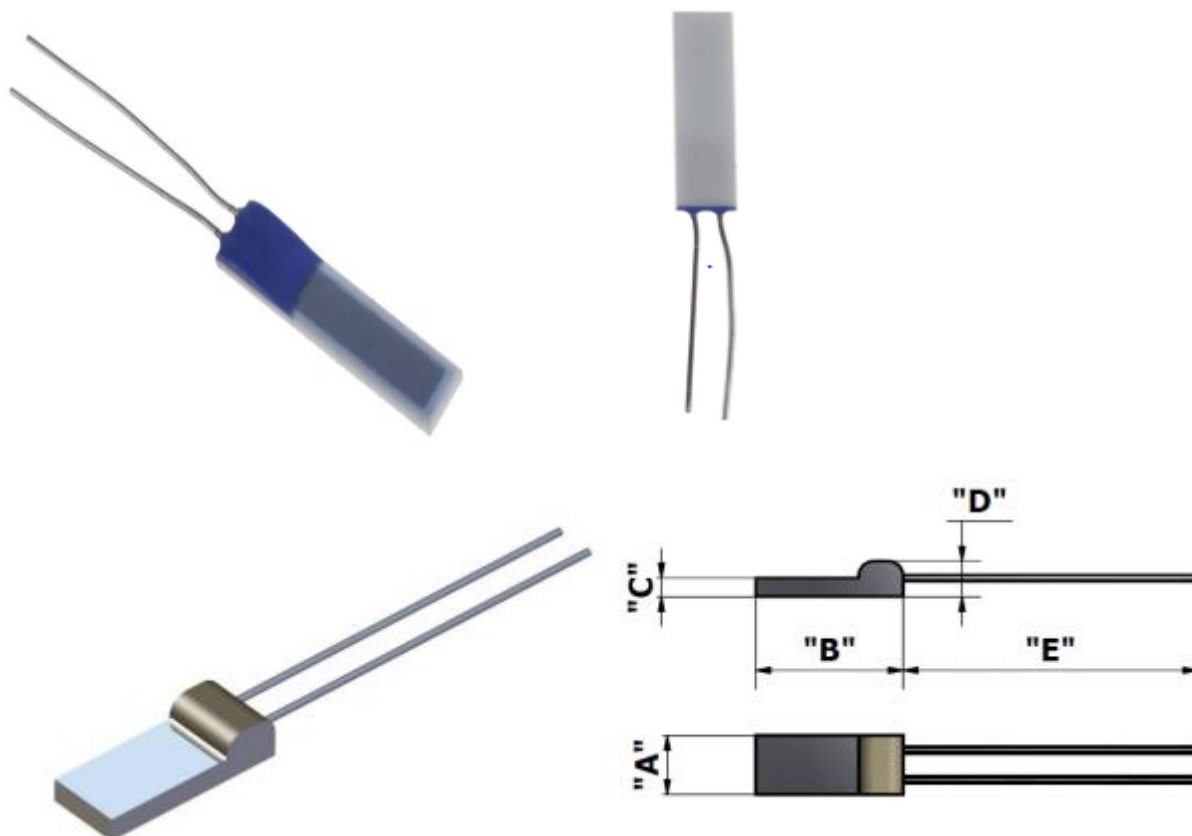
NOMINAL RESISTANCE R0	TOLERANCE DIN EN 60751 1996-07	TOLERANCE DIN EN 60751 2009-05
1000 Ohm at 0°C	Class 1/3 B	F 0.1

RELATED REFERENCES

Précision / Substrat length "B"	CLA	CLB	1/3DIN
5mm	457-3603	457-3596	-
10mm	-	-	293-8446