

Datasheet

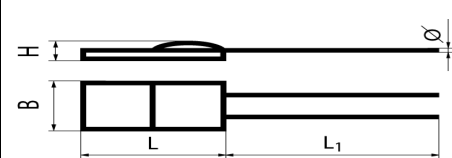
2,4x2Pt100A-AuNi

112009

Summary

This platinum temperature sensor element is characterized by its excellent price-performance and is therefore used in mass markets.

Dimensions in mm

	L	W	L ₁	H	Ø
	2,3 ± 0,2	2 ± 0,15	10 ± 1	1,1 ± 0,15	0,25 ± 0,01

Technical specifications

Nominal resistance R ₀ at 0°C	Specification	Tolerance	Order Number	Item Number
100 Ω	DIN EN 60751	F 0,15 (DIN A)	2,4x2Pt100A-AuNi	112009

Temperature range:

-50 °C to +600 °C in continuous operation

Validity of tolerance F 0,15: -30 °C to +300 °C

Connecting wires:

AuNi- wire, suitable for crimping, welding and brazing

Environmental conditions:

unprotected only in dry environments

Insulation resistance:

> 100 MΩ at 20 °C; > 2 MΩ at 500 °C

Self-heating:

0.5 °C/mW

Response:

water current (v = 0.4 m/s): τ_{0,9}=0,2 s

Air flow (v = 2 m/s): τ_{0,9}=10 s

Measuring current:

max. 1,4 mA (consider self-heating)

Packaging:

loose in bag / vacuum packed

Note:

Please refer to our application and installation instructions.

RoHS compliant

We reserve the right to make technical changes. All technical data serves as information and does not guarantee properties.

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