

Datasheet

2,3x2Pt100A-7

112005

Summary

This platinum temperature sensor element is characterized by its high operating temperature and its vibration and thermal shock resistance.

Dimensions in mm

	L	B	L ₁	H	Ø
	2,3 ± 0,2	2 ± 0,2	7 ± 1	1,3 ± 0,2	0,2 ± 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)	2,3x2Pt100A-7	112005

Temperature range:

-200 ° C to +600 ° C

Validity of tolerance F 0.15: -90 ° C to +300 ° C

Temperature coefficient:

TK = 3850 ppm / K

Connecting wires:

PtNi coated wire, suitable for welding, crimping and soft / hard soldering

Long-term stability:

< 0.04 % after 1,000 hours at maximum working temperature

Recommended measuring current:

1 mA (consider self-heating)

Note:

Please refer to our application and installation instructions.

RoHS compliant