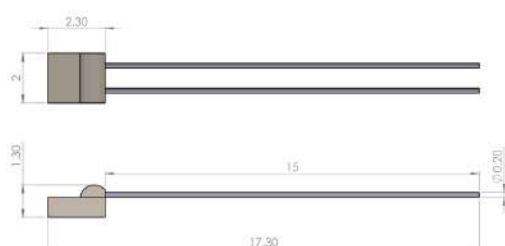


- ▶ **Temperature range 60°C to +200°C**
- ▶ **PT100 and PT1000 types available**
- ▶ **Tolerance class +/- 0.5%**
- ▶ **Small package size - typically 2.3 x 2.0 x 1.3 mm (L x W x H))**

Variohm NRTD series Nickel RTDs are constructed using the latest thin film technology. They offer short response times, excellent long term stability and a high level of resistance to mechanical and thermal shocks. They are suitable for use in most applications where accurate temperature measurement is vital.

Specifications	
Specification	DIN 43760
Nominal resistance	100 Ohms at 0°C, 1000 Ohms at 0°C
Temperature range	-60°C to +200°C
Temperature coefficient	TC = 6180 ppm/K
Tolerance class	+/- 0.5%
Long-term stability	max R ₀ drift 0.1% after 1000 hours at 200°C
Leads	0.25 mm diameter Ag wire, 15 mm long
Insulation resistance	> 100 MΩ at 20°C; > 2 MΩ at 500°C
Self heating	0.3 K/mW at 0°C
Environmental conditions	For use in dry conditions only
Response times	water current (v = 0.4 m/s): t _{0.5} = 0.15 s; t _{0.9} = 0.55 s; air stream (v = 1 m/s): t _{0.5} = 4.5 s; t _{0.9} = 12.0 s;
Measuring current	1.0 mA max.
Note	Other sizes, resistance values and temperature coefficients are available on request

Dimensions



Ordering information

(Please use the characters in the chart below to create your product code)

Sample Code NRTD - Ni - 100 - A - 6180

Resistance at 0°C

100	100 Ω
1000	1k Ω

Tolerance Class

A	+/- 0.5%
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