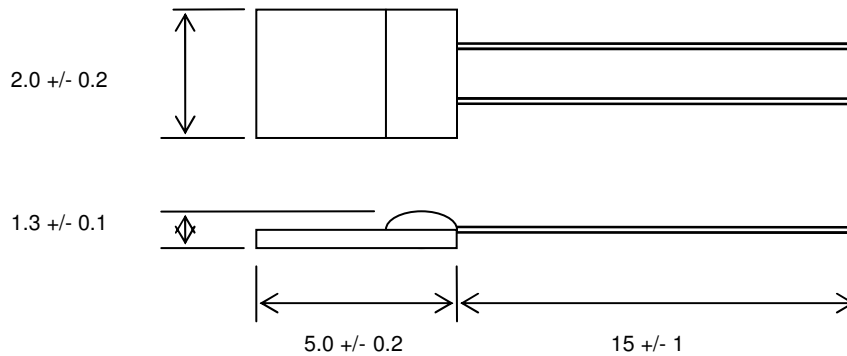


Nickel Resistance Temperature Detector

N 520

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.



Part number	NI1000520
Nominal size	5.0 mm x 2.0 mm x 1.3 mm (L x W x H)
Nominal resistance	1000 Ohms at 0°C
Specification	DIN 43760
Tolerance class	+/- 0.5%
Temperature range	-60°C to +200°C
Temperature Coefficient	TCR = 6180 ppm/K
Leads	0.25 mm diameter Ag wire, 15 mm long
Long term stability	max R ₀ drift 0.1% after 1000 hours at 200°C
Environmental conditions	for use in dry conditions only
Response times	water current (v = 0.4 m/s): t _{0.5} = 0.25 s t _{0.9} = 0.75 s air stream (v = 1 m/s): t _{0.5} = 6.0 s t _{0.9} = 18.0 s
Measuring current	1.0 mA max.
Note	Other sizes, resistance values and temperature coefficients are available on request