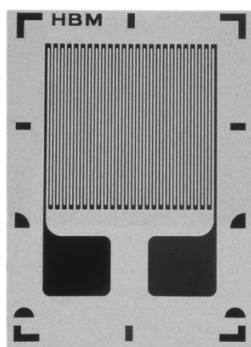


TT-3/100

Temperature sensor
(Nickel)



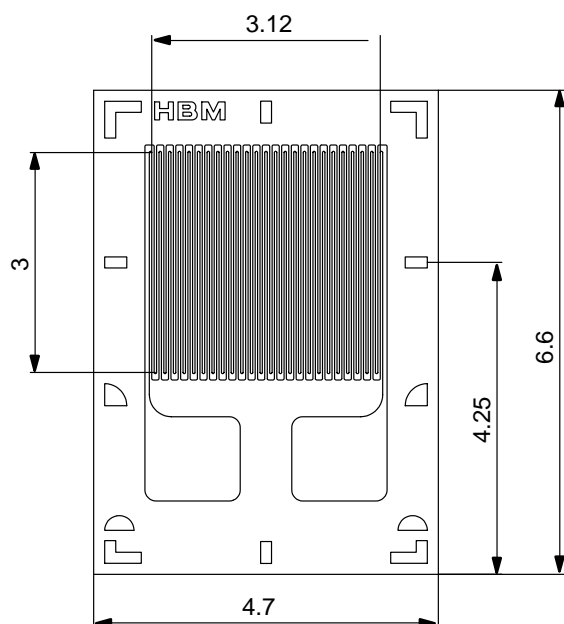
Original size



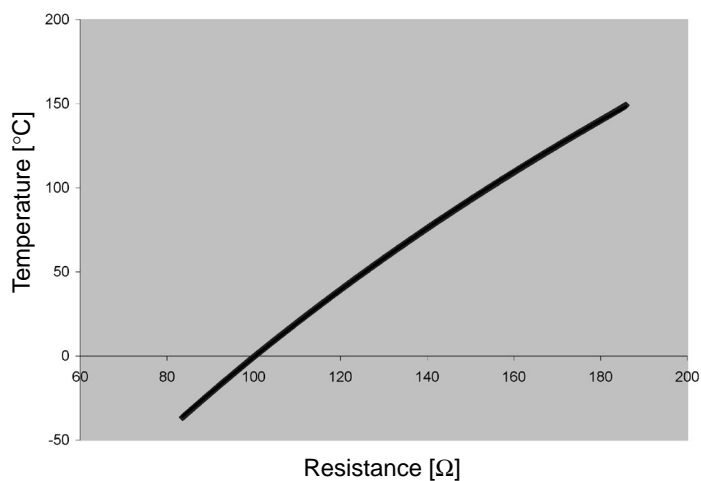
Special features

- Short response time through good thermal contact with component and very small heat capacity
- Easy to install like conventional strain gages
- Can be installed on curved surfaces
- Every ohmmeter suitable for measurement acquisition

Dimensions (in mm; 1 mm= 0.03937 inches)



Typical characteristic curve of the TT-3/100 temperature sensor



Specifications

Strain gage construction		Nickel temperature sensor (embedded)
Measuring grid material thickness	μm	Nickel 5 \pm 0.3
Carrier material thickness	μm	polyimide 40 \pm 5
Covering material thickness	μm	polyimide 25 \pm 5
Connections		integrated solder tabs
Nominal resistance (with 0 °C [+32 °F])	Ω	100
Resistance tolerance of the nominal resistance	%	\pm 1
Specification of the nominal resistance	Ω	specified on each package
Specification of the resistance tolerance	%	\pm 0.3
Characteristic curve of the sensor		specified on each package
Deviation of the sensitivity	%	0.5
Reference temperature	°C [°F]	0 [+32]
Operating temperature range	°C [°F]	-50 ... +180 [-58 ... +356]
Minimum radius of curvature (longitudinal and transverse) at reference temperature	mm	2, in the area of the solder tabs 5
Bonding material that can be used cold curing adhesives hot curing adhesives		Z70, X60, X280 EP150, EP250, EP310S

Modifications reserved.

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