



ND1K0.520.2FW.B.007

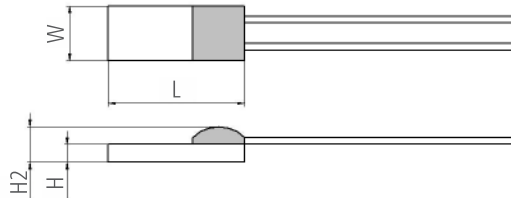
Nickel sensor with wires

For medium temperatures

Benefits & Characteristics

- Excellent long-term stability
- Connections remain in shape
- Easy interchangeability
- Simple linearization
- Vibration and temperature shock resistant

Illustration¹⁾



Technical Data

Operating temperature range:	-60 °C to +200 °C	
Nominal resistance:	1000 Ω at 0 °C	
Characteristics curve:	6180 ppm/K (Nickel ND)	
Long-term stability:	< 0.1 % at 1000 h at maximal operating temperature	
Tolerance class (dependent on temperature range):	T > 0 °C 0.4 + 0.007 x t	IST AG reference B
Connection:	Ni/Au-flat wire, 0.2 x 0.4 mm (solderable, weldable, crimpable), 7 mm long	
Dimensions:	5.0 x 2.0 x 0.65 / 1.3	
Tolerance (chip):	L ±0.2 mm, W ±0.2 mm, H ±0.1 mm, H2 ±0.3 mm	

Product Photo





Order Information

Description:	Item number:	Former main reference:
ND1K0.520.2FW.B.007	103172	020.00348

Additional Documents

Application Note:	Document name:
	ATN_E



Innovative Sensor Technology IST AG, Stegrütistrasse 14, 9642 Ebnat-Kappel, Switzerland
Phone: +41 71 992 01 00 | Fax: +41 71 992 01 99 | Email: info@ist-ag.com | www.ist-ag.com

All mechanical dimensions are valid at 25 °C ambient temperature, if not differently indicated • All data except the mechanical dimensions only have information purposes and are not to be understood as assured characteristics • Technical changes without previous announcement as well as mistakes reserved • The information on this data sheet was examined carefully and will be accepted as correct; No liability in case of mistakes • Load with extreme values during a longer period can affect the reliability • The material contained herein may not be reproduced, adapted, merged, translated, stored, or used without the prior written consent of the copyright owner • Typing errors and mistakes reserved • Product specifications are subject to change without notice • All rights reserved

ND1K0.520.2FW.B.007