



# PW1K0.216.7W.A.007

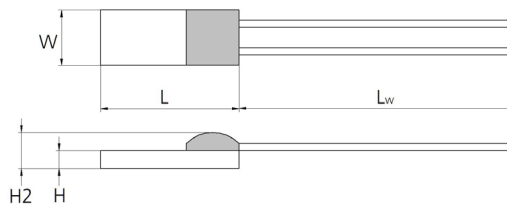
## Platinum sensor with wires

### For extended operating temperature range in class A

#### Benefits & Characteristics

- Capable of measuring in class A up to +600 °C
- Increased long-term stability
- Alternative to wire-wound sensors
- Short-term applicable up to +750 °C
- Very stable characteristics curve
- Available with same dimensions as a wire-wound sensor
- Very low hysteresis

#### Illustration



#### Technical Data

Operating temperature range:	-200 °C to +600 °C	
Nominal resistance:*	1000 Ω at 0 °C	
Characteristics curve:*	3850 ppm/K	
Long-term stability:	< 0.04 % at 1000 h at maximal operating temperature	
Tolerance class:*	IEC 60751 F0.15	A (IST AG reference)
Connection:*	Pt-wire, Ø 0.2 mm (solderable, weldable, crimpable, brazeable), 7 mm long	
Dimensions:	2.4 x 1.4 x 0.45 / 0.8	
Tolerance (chip):	W ±0.2 mm, L ±0.2 mm, H ±0.1 mm, H2 ±0.3 mm	

#### Product Photo





## Order Information

Description:	Item number:	Former main reference:
PW1K0.216.7W.A.007	101720	010.03344

## Additional Documents

	Document name:
Application Note:	ATP_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](mailto:info@ist-ag.com) | [www.ist-ag.com](http://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

PW1K0.216.7W.A.007 | Temperature Platinum | PW Series

# Mouser Electronics

Authorized Distributor

Click to View Pricing, Inventory, Delivery & Lifecycle Information:

[Innovative Sensor Technology:](#)

[PW1K0.216.7W.A.007](#)