



## P0K1.161.6W.K.010

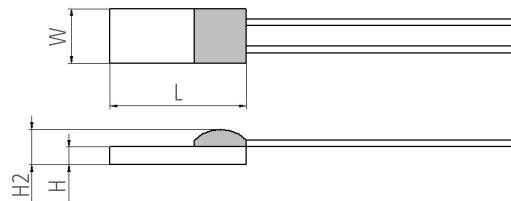
### Platinum sensor with wires

### For high temperatures

#### Benefits & Characteristics

- Excellent long-term stability
- Low self-heating
- Fast response time
- Small dimensions
- Vibration and temperature shock resistant

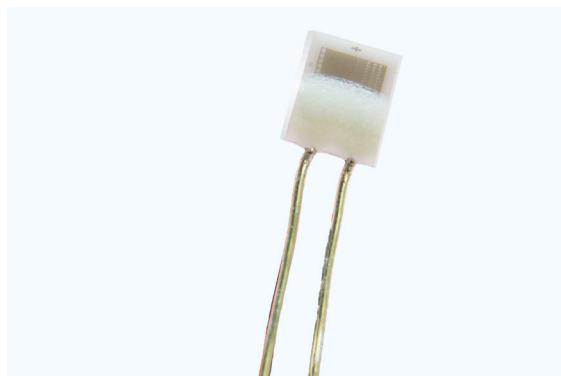
#### Illustration<sup>1)</sup>



#### Technical Data

|   |   |   |
|---|---|---|
| Operating temperature range:                      | -200 °C to +600 °C  |   |
| Nominal resistance:                               | 100 Ω at 0 °C   |   |
| Characteristics curve:                            | 3850 ppm/K  |   |
| Long-term stability:                              | < 0.04 % at 1000 h at maximal operating temperature                                   |   |
| Tolerance class (dependent on temperature range): | 1/5 IEC 60751 F0.3  | K |
|   | temperature range of tolerance class: -20 °C to +120 °C                               |   |
| Connection:                                       | Pt-cladded Ni-wire, Ø 0.2 mm (solderable, weldable, crimpable, brazeable), 10 mm long |   |
| Dimensions:                                       | 1.6 x 1.2 x 0.25 / 0.6  |   |
| 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: |
| P0K1.161.6W.K.010 | 100421       | 010.00638              |

## Additional Documents

|                   |                |
|-------------------|----------------|
|                   | Document name: |
| Application Note: | ATP_E          |



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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

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