



BondSens

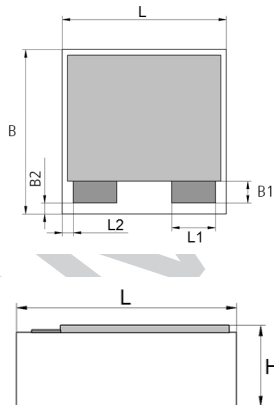
Platinum sensor

One of the worlds smallest platinum RTD

Benefits & Characteristics

- Very small size
- Full platinum RTD stability according to IEC 60751
- Very low drift
- Designed for Au-wire bonding
- Perfect for high volume applications with high integration rate
- Optimal for wearables, temperature control of LEDs or high power ICs
- Integratable with semiconductor devices
- Customer-specific sensor available upon request

Illustration¹⁾



1) For actual size, see dimensions

Technical Data

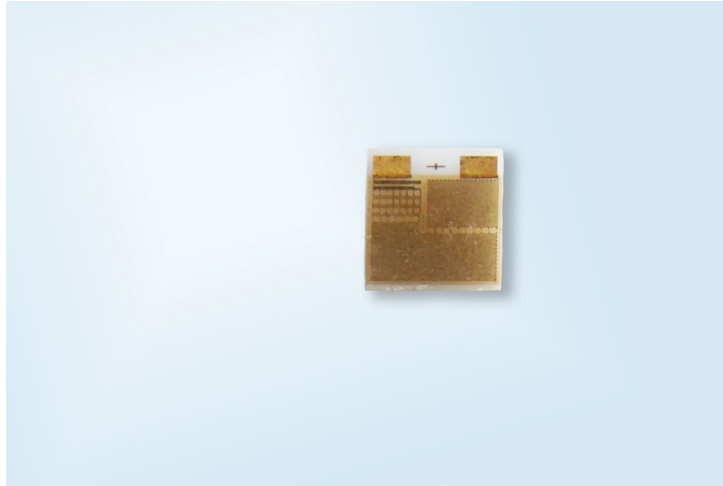
Operating temperature range:	-50 °C to +150 °C
Nominal resistance:*	1000 Ω at 0 °C
Characteristics curve:*	3850 ppm/K
Long-term stability:	< 0.04 % at 1000 h at 130 °C
Tolerance class (dependent on temperature range):*	IEC 60751 F0.3
	IST AG reference B
Connection:*	3FC Au-Pads (bonding pads)
Recommended applied current: ²⁾	0.3 mA
Special:	For dry environments only

2) Self-heating must be considered

* Customer-specific alternatives available



Product Photo



Order Information - 3FC (Au-Pads - bonding pads)

Size Dimensions (L / L1 /L2 x W / W1 / W2x H in mm) F0.3 (class B)

Nominal resistance: 1000 Ω at 0 °C

0707	0.75 / 0.2 / 0.05 x 0.75 / 0.1 / 0.05 x 0.3 (±0.1)	P1K0.0707.3FC.B.T
Order code		104316
Former order code		310.01424

Additional Documents

Application Note:	Document name: 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 | 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