



BondSens



Platinum sensor



One of the world's smallest platinum RTD



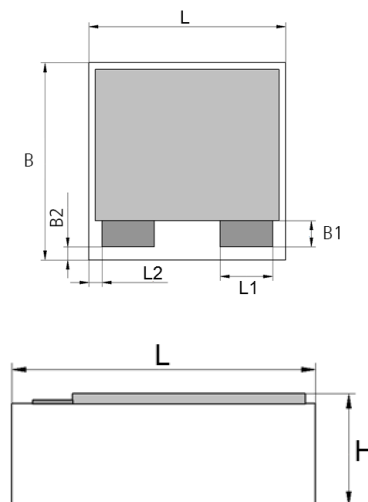
Benefits & characteristics



- 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



Illustration ¹⁾



¹⁾ for actual size see dimensions in order information



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: * **IST reference**
(dependent on temperature range) IEC 60751 F0.3 B



Connection:* 3FC Au-Pads (bonding pads)

Recommended applied current:²⁾ 0.3 mA

²⁾Self-heating must be considered



Special: For dry environments only

* Customer-specific alternatives available

Order Information

Nominal Resistance	Size	Dimensions (L / L1 / L2 x W / W1 / W2x H in mm)	Class*	Order code	Product name (secondary reference)	Wire length in mm	Special
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3FC (Au-Pads - bonding pads)

1000 Ω	0707	0.75 / 0.2 / 0.05 x 0.75 / 0.1 / 0.05 x 0.3 (±0.1)	F0.3 (class B)	104316	P1K0.0707.3FC.B.T	N/A	
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Additional Documents

Application Note

Document name: ATP_E



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