



BondSens

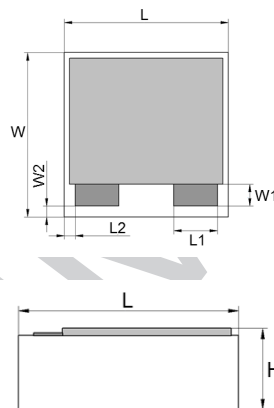
Platinum sensor

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



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		310.01424

Additional Documents

Application Note:	Document name:
	ATP_E

PRELIMINARY



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