Pt100 class F0.3 with inversed wires and metallized backside



Pt100, -200 °C to +300 °C, 2.3 x 2.0 mm, class F0.3, 10 mm inversed wires, metallized backside

Thin-film platinum 100 Ohm RTD component with inversed wires and metallized backside for excellent thermal coupling - ideal for mounting to the bottom of a tube or a blind hole and for applications with limited space.

Product Name: P0K1.232.3K.B.010.M.U
Nominal resistance: 100 Ω at 0 °C
Operating temperature range: -200 °C to +300 °C
TCR: Pt 3850 ppm/K
Chip size/dimensions: 2.3 x 2.0 x 1.3 mm
Tolerance/class: IEC 60751 F0.3 (IST AG tolerance class B)
Connection type: Ag-wire, Ø 0.25 mm
Wire length: 10 mm
Special: Metallized backside, inversed wires

Product code: 101045

Product details

Platinum Sensors

Innovative Sensor Technology IST AG platinum temperature sensors provide solutions for extreme temperature applications and are designed with the highest quality materials, allowing them to operate within a wide temperature range of -200 °C to +1000 °C. Standard IEC 60751 sensors are offered in class F0.3 (0.12 %), class F0.15 (0.06 %), F0.1 (0.04 %), and higher accuracies upon request.Our sensors are available in wireless (SMD) and wired configurations, and in sizes ranging from 0.75 mm to 10 mm (L), and 0.75 mm to 5.08 mm (W). Standard sensors can be customized with a variety of lead wire material, insulations, length, and configurations.

With many years of experience, iST also offers development of customer-specific applications in terms of sensor technology development and consultation. As part of the standard development process, we give support at the point of implementation - this way we ensure the best sensor solution for specific applications.

More information on platinum temperature sensors

Inverted welded and bend leads (U) or axial lead wires

For applications with limited space, iST provides solutions with inverted welded and bent leads or axial lead wires.

Inverted and bent leads are the optimal solution for applications in tubes where sensors are soldered to the bottom of the tube. They are additionally used in applications with limited space where an optimal thermal contact is required and obtained by soldering sensors to surfaces. That’s why the temperature sensors are also offered with a metallized backside to increase thermal coupling and with long directly welded wires to increase assembly processes and robustness.

Axial lead wires allow an extreme narrow sensor chip construction for applications where the sensor for example has to fit in a bore with an inner diameter of less than 0.6 mm.

Quality

Consistent with the well-known, high-quality standards in Switzerland, IST AG is certified according to ISO 9001:2015 (quality) and ISO 14001:2015 (environment). Appropriate processes are part of our daily work. They are regularly audited and extended parallel to the growth of our company.

> Read more

The online shop

Quantity (pieces)	Price (per piece)
10-49	CHF 7.20
50-100	CHF 4.80

Stock: **161**