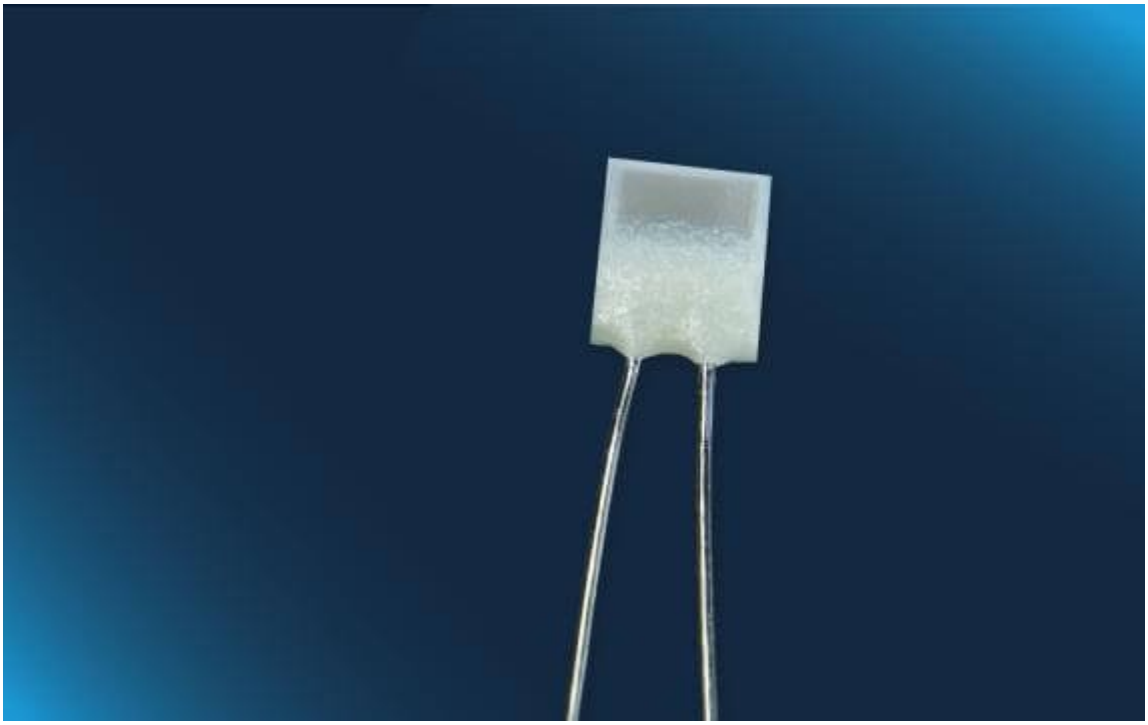
Pt1000 class F0.3 with 3750 ppm/K



-200 °C to +600 °C, 2.3 x 2.0 mm, 10 mm wires

Thin-film platinum 1000 Ohm RTD component with 3750 ppm/K TCR

Product Name: PU1K0.232.6W.B.010
Nominal resistance: 1000 Ω at 0 °C
Operating temperature range: -200 °C to +600 °C
TCR: Pt 3750 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: Pt-wire, Ø 0.2 mm
Wire length: 10 mm
Packaging: Blister
Product code: 100260

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

Alternative TCRs for platinum temperature sensors

IST AG offers sensors with various TCRs.

PG (3911 ppm/K)
The iST PG RTD sensor is developed for applications requiring a GOST-coefficient 3911 ppm/K characteristics curve. The sensor is able to measure to IEC 60751 F0.3 or F0.15 accuracy in a temperature range from -200 °C to +600 °C (short-term applicable up to +750 °C). This Pt temperature sensor is characterized by a low hysteresis and a very stable characteristics curve. As an additional feature, the PG sensor, is available with the same dimensions as a traditional wire-wound sensor meaning easy interchangeability into existing temperature applications.

PU (3750 ppm/K)
The iST PU RTD sensor is a Pt temperature sensor developed specially for applications requiring a TCR of 3750 ppm/K. It has been developed for long-term stability and can operate in the harshest conditions while experiencing minimal drift. The PU temperature sensor is offered in various dimensions and accuracies according to IEC norm, lead wire material and length.

For more information go to the Downloads section.

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 3.67
50-99	CHF 2.91
100-150	CHF 2.58

Stock: **200**