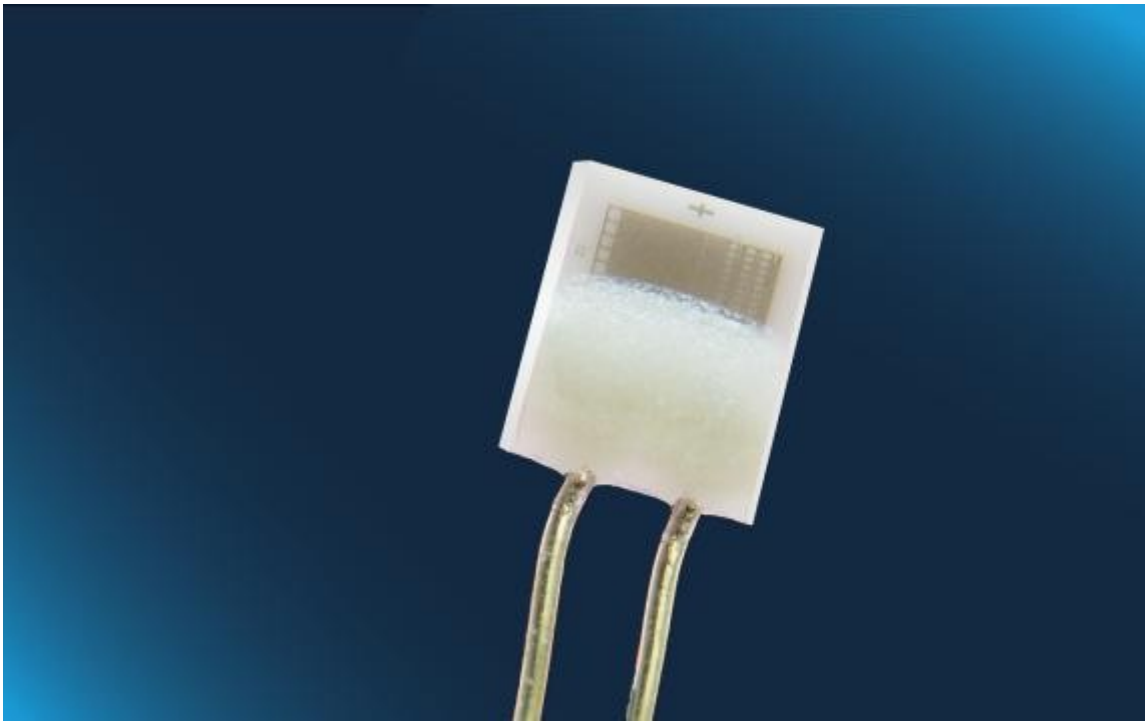

MiniSens Pt1000 class F0.15, lead-free

Pb-free small thin-film platinum 1000 Ohm RTD component with ESD-optimized design, with 10 mm platinum-cladded nickel wires

Benefits & Characteristics

- Excellent long-term stability
- Small dimensions
- Low self-heating
- Vibration and temperature shock resistant
- Fast response time
- ESD-optimized design
- Lead-free

Product Name: P1K0.161.6W.A.010

标称电阻 : 1000 Ω at 0 °C

工作温度范围 : -200 °C to +600 °C

温度系数 : Pt 3850 ppm/K

芯片尺寸 /尺寸 : 1.6 x 1.2 x 0.6 mm

连接类型 : Pt/Ni-wire, Ø 0.2 mm

□□□ : 10 mm
□□□ : ESD optimized design (IEC/EN 61000-4-2)
□□ : Blister
Product Old code: 100246 and 156819
Product code: 158843

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

Small dimensions

IST AG offers various sensor solutions for applications with limited space requirements.

MiniSens

iST MiniSens features the smallest footprint with dimensions of only 1.2 mm x 1.6 mm making the sensor an optimal solution for limited space applications. The MiniSens is available with accuracies of up to IEC 60751 F0.1 (IST AG reference class Y) and with long directly welded wires. The sensor can be used in applications with an operation temperature range of up to +600 °C.

The MiniSens is also offered with a metallized backside enabling optimal thermal coupling.

SlimSens

The iST SlimSens sensor is specially developed for applications requiring sensors fitted into tubes with very small diameters. The SlimSens measures 0.8 mm x3 mm and is the optimal solution for applications with tube diameters from 1 mm. The SlimSens is available with accuracies of up to IEC 60751 F0.1 (IST AG reference class Y) and with long directly welded wires within various ohmic resistances. This Pt temperature sensor can be used in applications with an operation temperature range of up to +600 °C.

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 7.39
50-99	CHF 5.87
100-150	CHF 5.20

□□ : **0**