Product Brief | New-to-Market

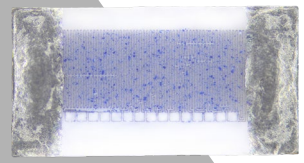
Sensors

Temperature

SMD ST

PRODUCT OVERVIEW

YAGEO Group's SMD 0603 ST Pt elements come with the standard termination for SMD components without sideplating. This means the end-terminations are on the top, the bottom, and the end faces – excluding the side walls. These elements are designed for automated assembly on printed circuit boards. The precision, accuracy, and interchangeability of a Pt RTD in an SMD package provide an ideal solution for board-mounted temperature sensing, board protection, and temperature compensation.



Quick Facts

Operating temperature: -50 °C to +150 °C

Nominal Resistance: 1000 Ohm

Tolerance Class: F 0.3 (B), F 0,6 (2B)

Contact & Information

For special requests (custom designs, lifetime extensions, etc.), contact regional Product Managers.

contact

Further Product information

Key Selling Points

Features	Customer Value
Pt RTD in standard SMD format	Easy integration and efficient automated assembly
High accuracy and interchangeability of a platinum sensor	Reduced downtime and easier maintenance
Automated mounting via standard pick-and-place tools	Saves time and reduces manufacturing costs
Solder connection: End termination galvanic tinned with Ni-barrier	Reduced risk of connection failure and enhanced overall assembly reliability
Pb-free	Meets environmental standards for safe, lead-free production
Available in large volumes	Support for ambitious product growth

Target Applications

- **HVAC**
- **Consumer Electronics**
- **Power Supplies**
- **Cost Sensitive Applications**
- **Medical and industrial systems**

Market Advantages

- Economic solution by standard termination without sideplating
- It allows seamless integration into standard production lines and supports efficient high-volume manufacturing through standard formats, automated assembly, and optimized packaging.
- AEC-Q200 for automotive applications on request
- Pb-free design removes regulatory risk and ensures long-term market access