

PRODUCT OVERVIEW

SMD FC Pt RTD elements are designed for **automated assembly on printed circuit boards**. The **precision, accuracy** and interchangeability of a Pt RTD in a SMD package provides an **ideal solution** for **board-mounted temperature sensing**, board **protection**, and temperature **compensation**



Quick Facts

SMD FC type according to DIN EN 60751

Temperature Range: -50 °C to +170 °C (250°C)

Nominal Resistance: 100, 1000 Ohms

Tolerance class: F 0.3, F0.6

Sizes: 0805, 0402

Contact & Information

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



Sensors

Temperature

SMD FC SERIES



Key Selling Points

Features

Linear, standardized signal supports simple electronics

High accuracy, long lifetime, low signal drift

High humidity resistance compared to NTC

Supports pick and place mounting and high-volume assembly

AgPt screenprinted contact pads on upper side
Electrical insulated backside

Customer Value

Simplifies electronics and lowers system cost.

Ensures stable and precise measurements over many years.

Delivers reliable performance in moist environments.

Enables fast, automated, high-volume production.

No temperature limitations by soft solder. Wire bondable.

Target Applications

- **Industrial Equipment**
- **Heat and cold meters (HVAC)**
- **Data loggers**
- **Pressure Sensors**

Market Advantages

- High reliability and precision through long life, low drift, and automotive-grade robustness
- Low system and manufacturing costs enabled by simple electronics and automated assembly compatibility
- Superior environmental performance with strong humidity resistance and stable operation in demanding conditions