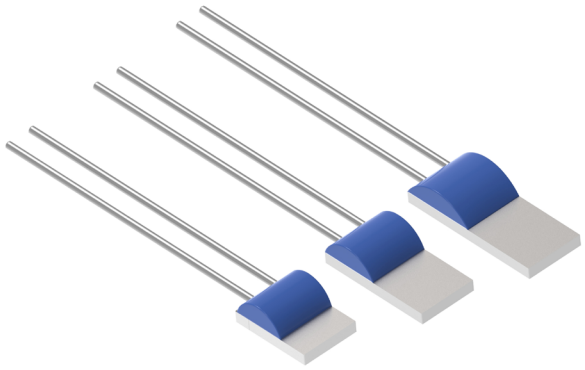
INTRODUCING

PLATINUM THIN FILM TEMPERATURE ELEMENTS

- **Provide stable measurement in extreme environments with accuracy ranges from ±0.1K to ±0.6K at 0°C**
- **Withstand high temperatures from -200°C up to +600°C with low drift over lifetime**



As technology advances, there is a growing demand for temperature sensors that provide high accuracy and precision measurement with the ability to be easily designed into new and existing applications. TE Connectivity's (TE) RTD platinum thin film elements provide high accuracy and stability, with a competitive selection of sizes and standard values to meet this growing industry demand.

Our platinum thin film elements offer a broad temperature range (-200°C up to +600°C) with low drift and fast response time. The compact design of our platinum elements allows for easy packaging in custom probes and assemblies.

APPLICATIONS

- Batteries
- E-mobility
- Food processing
- HVACR
- Motors
- Vital signs monitoring

TARGET MARKETS

- Appliances
- Automotive
- Industrial
- Medical

KEY BENEFITS

- Provide stable measurement in extreme environments with accuracy ranges from ±0.1K to ±0.6K at 0°C
- Withstand high temperatures from -200°C up to +600°C with low drift over lifetime
- Facilitate gold coated nickel lead wire for higher temperature operation and silver lead wire for lower temperature operation
- Offer a small outline and low mass suited for applications with rapid temperature changes
- Enable design flexibility with custom packaging capabilities to meet customer specifications

PERFORMANCE

Sizes Available:

- Type C: 2.0 x 2.3mm
- Type D: 2.0 x 5.0mm
- Type F: 2.0 x 4.0mm
- Type M: 1.2 x 4.0mm

Operating Temperature:

- -30°C to +200°C (T)
- -30°C to +300°C (A)
- -50°C to +600°C (B&C)

Wire Types:

- Ag coated Ni, Ag

Accuracy:

- ±0.1K to ±0.6K at 0°C

LEARN MORE

Landing Page
Video
Infographic
Trend Paper
Solution Guide
How RTD Sensors Work (Paper)