INTRODUCING

SURFACE MOUNT TEMPERATURE SENSORS FOR SPACE AND SATELLITES

- **TE Connectivity (TE) sensors offer a wide temperature range of -170°C to +160°C, ensuring durability, accuracy, and consistency across diverse conditions.**
- **With solutions for both traditional and NewSpace (LEO) satellite markets, TE provides reliable temperature sensing for various applications.**



TE Connectivity Surface Mount Temperature Sensors are built for extreme space environments, with NTC thermistor probes covering -60°C to +160°C and RTD platinum probes ranging from -170°C to +160°C. These sensors feature various R-T curves and resistances providing high level of compatibility to electronics systems. With over 20 years space heritage and compliance to ESA standards, our sensors are suited for both traditional and LEO satellite markets, designed for easy installation, various wire lengths, and provide excellent heat transfer delivering high reliability performance.

KEY BENEFITS

- Compliance to ESA Standards
- Parts on ESA Qualified Products Database (QPL)
- Wide Temperature Range -170°C to +160°C
- Various Resistance-Temperature Curves
- Various Wire Lengths and Insulation Types
- Sensors for LEO Satellites

TARGET MARKETS

- Satellites
- Space
- High Reliability Applications

APPLICATIONS

Satellite Applications

- Temperature Control and Monitoring
- Temperature Compensation
- Space Solar Panels
- Payload Equipment
- Guidance and Navigation Systems
- Control and Computer Systems
- Antennas
- Avionics

PERFORMANCE SPECIFICATIONS

- High Reliability and Excellent Stability
- Flat Surface for Ease of Mounting
- Space Flight Heritage
- ESA (European Space Agency) Qualified

LEARN MORE

- NTC Thermistor Surface Mount Sensor Portfolio
- Datasheet - NTC Thermistor Surface Mount Sensor Portfolio
- Platinum RTD Thermistor Surface Mount Sensor
- Datasheet - Platinum RTD Thermistor Surface Mount Sensor
- NTC Thermistor Surface Mount Sensor – LEO
- Datasheet - NTC Thermistor Surface Mount Sensor – LEO
- ESCC Product List
- Surface Mount Temperature Sensors Solution Guide
- Product Sell Sheet – Traditional Space: NTC Thermistor Surface Mount Sensor
- Product Sell Sheet - LEO NTC Thermistor Surface Mount Sensor
- Surface Mount Temperature Sensors for Satellites Video

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