

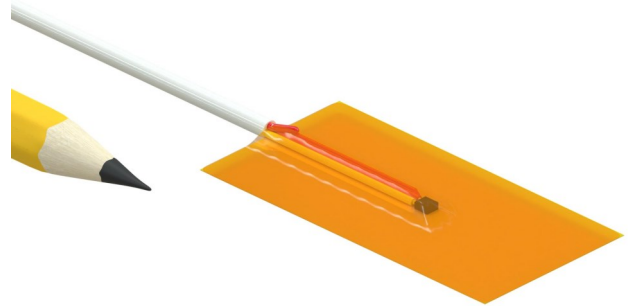
# TEMPERATURE SENSOR

## SURFACE MOUNT STICK-ON RTD

Fast Response Stick-On Surface RTD

### FEATURES

- Thin Film PT100 RTD Element
- Kapton tape with self-adhesive backing for easy installation
- Made in the USA
- Teflon™ wires with Teflon™ over jacket
- Designed for research & development applications



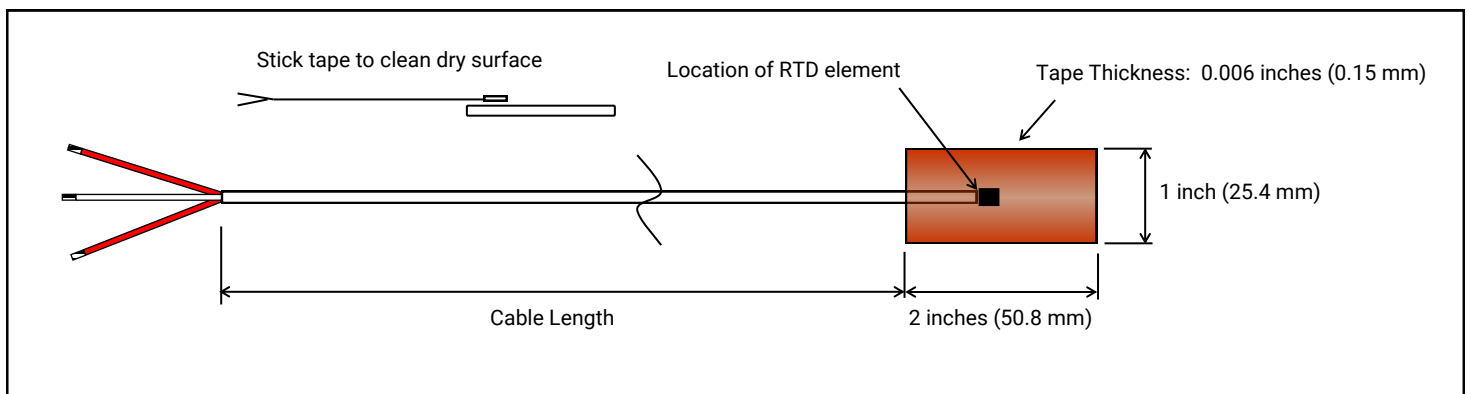
### SPECIFICATIONS

**RTD element type:** Thin film platinum, 100Ω at 0°C,  $\alpha = 0.00385$   
**Range:** -50 to 500°F (-45 to 260°C)  
**Accuracy:** Class A, +/- 0.15°C

**Tape dimensions:** W = 1.0" x L = 2.0" (25.4 mm x 50.8 mm), Thickness 0.006" (0.15 mm)  
**RTD Element dimensions:** W = 0.09" x L = 0.08" (2.3 mm x 2.1 mm), Thickness 0.04" (0.9 mm)

**Response Time\*:** 3 Seconds  
**\*Time Constant:** Defined as the time required to reach 63.2% of an instantaneous temperature change  
Five time constants are required to approach 100% of the step change value

**Lead Wire:** Teflon™ insulated with Teflon™ outer jacket, 24 AWG, stranded conductors  
**Wiring:** 3-Wire



### ORDERING INFORMATION

Model	RTD Element Type	Cable Length	Connector
<b>SSP-RTD</b>	- □□□□□□	- □□□□	- □□
	<b>PT100</b> Platinum 100Ω	<b>036</b> 36 inches <b>072</b> 72 inches <b>180</b> 180 inches	<b>N</b> No connector <b>MP</b> Male mini-plug <b>SP</b> Standard plug

### ORDERING EXAMPLE

**SMTS-RTD-PT100-036-3-N:** Threaded Stud RTD, PT100 Element, 36 inch long cable, 3-wire, no connector

CUSTOM CONFIGURATIONS AVAILABLE

