



Self-Adhesive Thermocouples

Fast Response Surface Thermocouples

SA3 Series

- ✓ Polyimide Carrier
- ✓ Self-Adhesive Backing
- ✓ Low Mass Junction Area for Fast Response
- ✓ Resistant to many Chemicals and Oils
- ✓ Temperature Range:
-40 to 260°C
(-40 to 500°F)
- ✓ Available in Type J, K, T, and E Thermocouples, ANSI or IEC Color Codes
- ✓ Available with Miniature Color Coded Connectors

These thermocouples can be used in outdoor and wet environments, including bright sunlight, with little to no effect on performance or accuracy. Our unique construction techniques provides a fast responding thermocouple junction in a thin and flexible mounting pad. These SA3 thermocouples are available in 2 styles, stripped #30AWG solid leads, or with a miniature color coded connector.

Specifications

Thermocouple: ANSI color code J/K/T/E or IEC color code JI/KI/TI/EI

Accuracy: Special limits of error

Junction Type: Ungrounded sensor construction

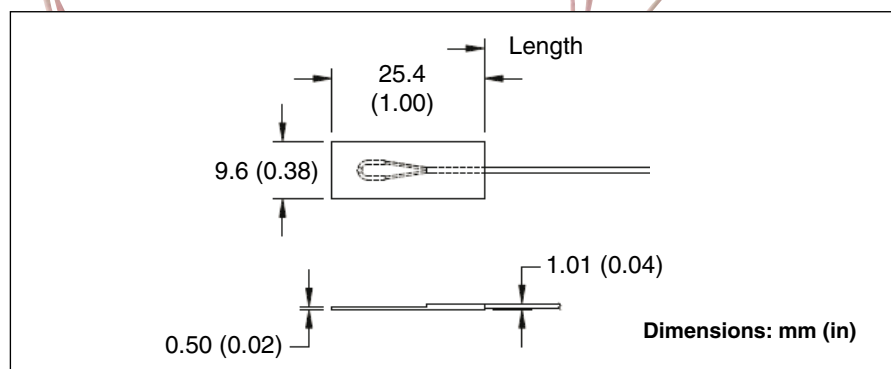
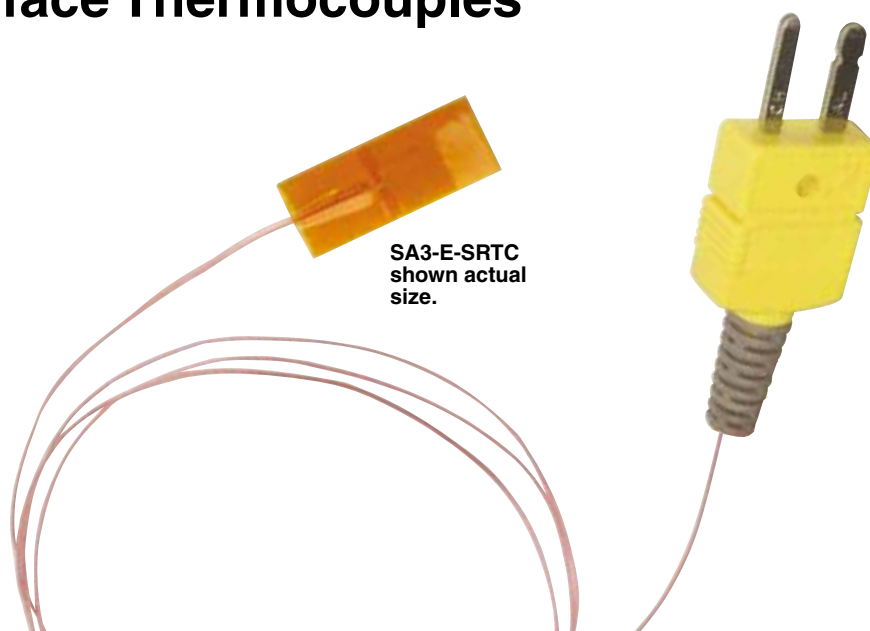
- Polyimide tape base with silicone adhesive and paper peel sheet
- Polyimide tape cover
- PFA insulated and jacketed 30 AWG cable
- Glass filled nylon connector when specified

Temperature Range:

Sensor: -17 to 260°C (0 to 500°F)

Connector: -29 to 180°C
(-20 to 356°F)

Insulation Resistance: 100 MΩ minimum at 100 Vdc at room temperature and sensor mounted to surface



To Order

Model No.	Description
Stripped Lead Termination	
SA3-[*]	Fast response self-adhesive thermocouple, 1 m (40") long
SA3-[*]-72	Fast response self-adhesive thermocouple, 2 m (80") long
SA3-[*]-120	Fast response self-adhesive thermocouple, 3 m (120") long
Molded Miniature Cable Termination	
SA3-[*]-SRTC	Fast response self-adhesive thermocouple, 1 m (40") long
SA3-[*]-72-SRTC	Fast response self-adhesive thermocouple, 2 m (80") long
SA3-[*]-120-SRTC	Fast response self-adhesive thermocouple, 3 m (120") long

* Specify thermocouple ANSI color code: J, K, T or E or IEC color code JI, KI, TI or EI.

Ordering Example: SA3-E-SRTC, SA3 fast response self-adhesive thermocouple, 1 m (40") long with a miniature thermocouple connector.