Molded Silicone Adhesive Thermocouple

Omega's SAP-TC-Series thermocouples are designed for surface temperature measurements. These thermocouples are ideal for both flat and curved surfaces. The integral thermocouple sensor is bonded onto the inner surface of the exposed silicone material, providing faster temperature response. These are available in four different thermocouple types: J, K, T, and E. The temperature range is -50 to 200°C (-58 to 392°F). Applications include hot plate measurements, pipe measurements, and these can be connected directly to instrument casings or motor housings to obtain an accurate temperature reading.

SAPC-*

SAPF-*

Features

- **Made of Silicone Rubber for excellent flexibility**
- **Self-Adhesive thin backing to increase response time**
- **Attach directly to clean surface for accurate temperature measurement**
- **Made for one-time placement on surface via self-adhesive pad**
- **Compact design, ideal for space constraints**
- **Temperature rating -50 to 200°C (-58 to 392°F)**
- **J, K, T, and E Calibrations**
- **Wire is 24 AWG, stranded, PFA-coated**
- **Stripped ends standard, other connector options available**
- **Available in IEC color codes**

Specifications

Temperature Range	-50 to 200°C (-58 to 392°F)
Material of Construction	Silicone pad PFA-coated lead wire, 24 AWG
Thermocouple Type	Type K, J, T and E
Mounting Style	Surface mount (Adhesive) for flat or curved surfaces
Wire length	36, 72 and 120-inch standard. Other lengths available
Termination	Stripped ends (other connection options available)
Pad Designation	**SAPC**= pad for curved surfaces; **SAPF**= pad for flat surfaces
Dimensions	SAPC: 0.59 X 1.97 X 0.29 in (15 x 50 x 7.4 mm) SAPF: 1.41 x 0.48 x 0.29 in (35 x 12 x 7.4 mm)

Ordering Example: **SAPC-K-72**, self-adhesive silicone sensor with pad for curved surfaces, type K, 72 inches of PFA-coated lead wire with stripped leads.

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