

Specifications

Thermocouple Types

20100-2	K: Chromel/Alumel
20101-2	E: Chromel/Constantan
20102-2	T: Copper/Constantan

Accuracy

Type K:	$\pm 2.2^{\circ}\text{C}$ or $\pm 2\%$
Type E:	$\pm 1.7^{\circ}\text{C}$ or $\pm 0.5\%$
Type T:	$\pm 1.0^{\circ}\text{C}$ or $\pm 0.75\%$

Temperature Range

Type K:	-184 to 816°C (-300 to 1500°F)
Type E:	-200 to 900°C (-328 to 1652°F)
Type T:	-250 to 350°C (-418 to 662°F)

Response Time 0.5 seconds (ungrounded), 0.25 seconds (grounded) for the sensor to reach 63.2% of a change in mounting surface temperature.

Insulation Resistance 50 Megohms minimum at 50 VDC in ungrounded junction TCs

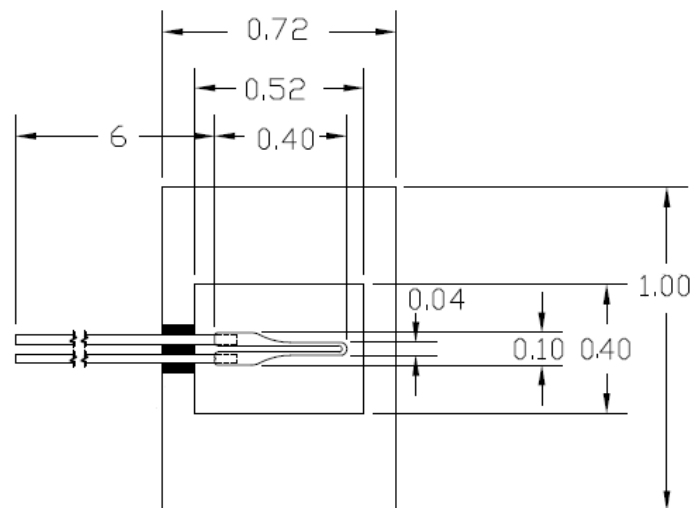
Operating Current 0.5 mA

Lead Wires Dot color coded ribbon leads, 6" leads standard; additional lengths available upon request

Case Material Kapton®

Features

- These practical surface sensors are the ideal high performance configuration for demanding applications
- Provide accurate, fast response sensors for surface temperature measurements
- Thin foil thick, gives extremely low thermal inertia plus maximum thermal coupling to the mounting surface
- Micro-Foil® butt bonding produces thermocouples with no increase in thickness or mass at the junction
- Removable Kapton® frame for bare foil application



Ordering Information & Options

20100	Type K	Butt-Bonded Foil Thermocouple
20101	Type E	
20102	Type T	
		FOIL THICKNESS
		2: 0.0005"
		LEAD LENGTH in inches (use only if more than 6" required)

20100 - 2 - Typical write-up