

# 粘接热电偶晶圆组件

Thermo Electric designs and manufactures temperature measurement solutions that are guaranteed to give you sensitivity, fast response, and consistent accuracy with greatest sensor to sensor uniformity. Thermo Electric is committed to deliver its innovative instrumented wafer solutions on time with a world class technical service.

## PRODUCT TEMPERATURE RANGES

- -150 to 700°C

## THERMOCOUPLE CALIBRATION (ACCURACY)

- **Type K:** ( $\pm 1.1^\circ\text{C}$  or 0.4%) Range: -270 to 1,372°C
- **Type N:** ( $\pm 1.1^\circ\text{C}$  or 0.4%) Range: -270 to 1,300°C
- **Type E:** ( $\pm 1.0^\circ\text{C}$  or 0.4%) Range: -270 to 1,000°C
- **Type R/S:** ( $\pm 1.5^\circ\text{C}$  or 0.25%) Range: -50 to 1,768°C

## SPECIFICATIONS

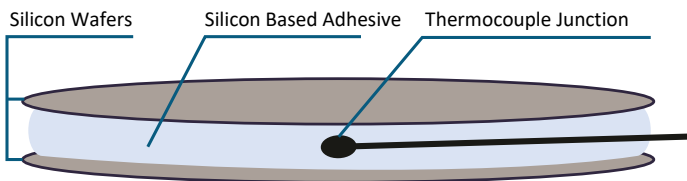
### Sensor Leads

30 & 36 gauge, up to 40 feet long

### Insulations Available

- Quartz
- Teflon
- Silica
- Ceramic
- Polyimide

## TERMINATIONS



### Substrates

Silicon, AlTiC, Glass, Ceramic and other supplied bare, coated, or patterned substrates. Other custom substrates, shapes, and sizes available

### Substrate Sizes Offered

100mm, 125mm, 150mm, 200mm and 300mm

### Feedthrough

Polyimide flat cable with seal under O-ring, atmosphere to  $10^{-7}$  Torr capable. Length designated by customer.



SPECIFICATIONS		
Wire Gauge	36 AWG	30 AWG
Standard Gap	0.150mm	0.300mm
Planarity	+/- 1% STANDARD GAP	+/- 1% STANDARD GAP
PAIR THICKNESS		
100mm	1.050mm +/- 0.050	2.850mm +/- 0.075
125mm	1.250mm +/- 0.050	3.050mm +/- 0.075
150mm	1.350mm +/- 0.050	3.150mm +/- 0.075
200mm	1.450mm +/- 0.050	3.250mm +/- 0.075
300mm	1.550mm +/- 0.050	3.350mm +/- 0.075