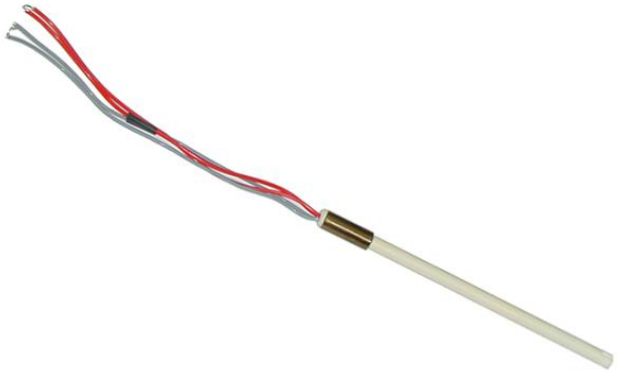
Spike Thermocouple Probe



- **For semiconductor industry**
- **Produced in clean room**
- **Maximum temperature : +1300°C**
- **Single or duplex type**
- **Fast response-time**

DESCRIPTION

Spike thermocouple probes are used to measure the temperature of heating elements in diffusion ovens used in the microelectronics industry. This is a thermocouple in a ceramic body with one or two hot junctions. The probes are made with platinum wire of diameter 0.5mm from the hot junction to the end connector. No extension wires are used.

FEATURES

THERMOCOUPLE

- Thermocouple S, R, B or K
- Tolerance class according to standard (IEC 584) or customer specification
- Temperature range from 0°C to +1300°C according to TC

CONNECTOR

- Mini, standard, specific connector with or without

BODY

- Pure ceramic insulator
- From Ø3 to Ø6mm
- Custom lengths available
- Different handle types (silicone, stainless steel, sleeve)

APPLICATIONS

- Semiconductor industry
- Heating systems
- Laboratory
- Industrial process monitoring

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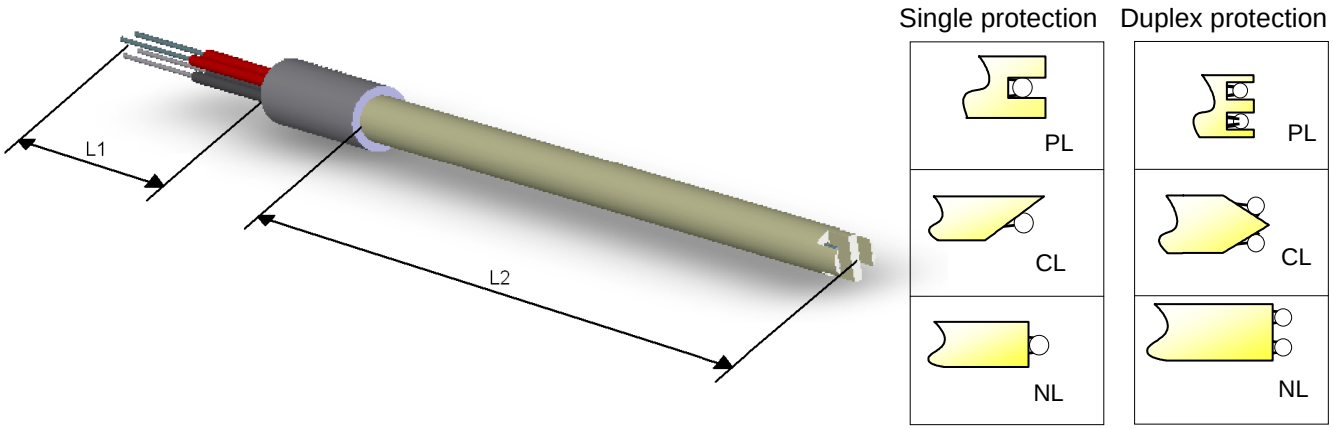
PERFORMANCE SPECIFICATIONS

Specification	Unit	Value
Electromotive force for B type @ +100°C (IEC 584)	µV	33
Class 2 tolerances for B type: From +600°C to +1700°C	°C	±0.0025x ItI
Electromotive force for S type @ +100°C (IEC 584)	µV	646
Electromotive force for R type @ +100°C (IEC 584)	µV	647
Class 1 tolerances for S and R type : From -0°C to +1100°C	°C	±1
From +1100°C to +1600°C	°C	±[1+0.003(ItI.1100)]°C
Electromotive force for K type @ +100°C (IEC 584)	µV	4096
Class 1 tolerances for K type: From -40°C to +375°C	°C	±1.5
From +375°C to +1000°C	°C	±0.004x ItI

BLOCK DIAGRAM



联系方式

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