Profiling Thermocouple Probe

- **For semiconductor industry**
- **Produced in clean room**
- **Maximum Temperature : +1300°C**
- **1 to 6 measuring points**
- **Quartz sheath**
- **Multipoint Temperature Measurement**

DESCRIPTION

Profiling thermocouple probes are used for the control of temperature homogeneity in the diffusion ovens for the microelectronic industry. The profiling probe can be used in horizontal and vertical ovens. The body of the product is composed of a ceramic insulator with thermocouple wires and a quartz protection sheath. Profiling 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 or without

BODY

- Pure ceramic insulator from Ø2 to Ø6mm
- Quartz protection sheath from Ø6 to Ø12mm
- Custom lengths available
- Aluminium handle

OPTIONS

- Treatment of the Quartz sheath
- Additional measuring points
- Calibration report

APPLICATIONS

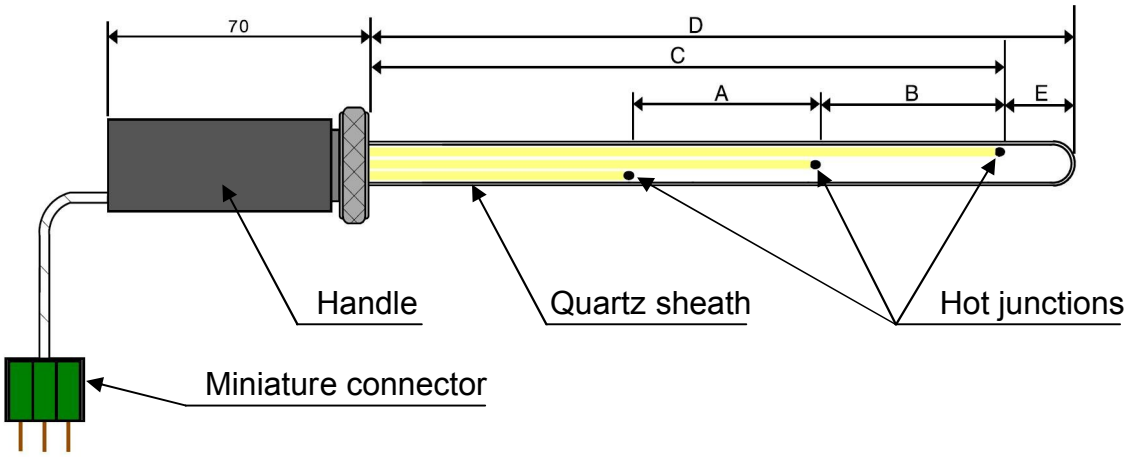
- Semiconductor industry
- Heating systems
- Laboratory
- Industrial process monitoring

Profile

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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