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HEL-705-U-0-12-00 Discrete RTD Sensors

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- NTC Thermistors (147)
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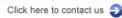


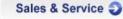
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Actual product appearance may vary.

HEL-700 Series temperature sensor, platinum RTD, ceramic case,

Need Help?





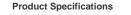
Application Notes

Distributor Inventory 2



Overview

Termination



Termination Material 28 Gauge, nickel-coated stranded copper, Teflon insulated

Availability

Specs

1000 Ohm platinum RTD Sensor Type Temperature Coefficient 0.00375 Ohm/Ohm/°C

Package Type Ceramic case

Temperature Sensing -200 °C to 260 °C [-320 °F to 500 °F]

Base Resistance and 1000 Ohm ±2 Ohm at 0 °C

Interchangeability

±0.1% typ. -40 °C to 125 °C [-40 °F to 257 °F]; ±2.0% max. -75 °C to 540 ° Linearity (% of Full Scale) C [-167 °F to 1004 °F]

Documentation

Leadwires

Time Constant in Water <0.5 s

at 0.914 m/s [3 ft/s]

Stability >0,25 °C per year; 0,05 °C per five years in occupied environment

Supply Voltage Not applicable Supply Current 1 mA typ., 2 mA max. Self Heating <15 mW/°C typ.

50 MOhm at 50 Vdc, 25 °C [77 °F] Insulation Resistance

Series Name

Construction Alumina case: epoxy potting (Teflon leads); ceramic potting (Fiberglass

leads)

UNSPSC Code 411121

UNSPSC Commodity 411121 Transducers

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