

Coil-In-Hole Element

Ceramic Cylinder
Two-Wire
Mechanical Robustness
High Accuracy



Coil-In-Hole Elements are designed to be used where high vibration and high accuracy is needed. The element wire is coiled in a hole and supported by a high temperature alumina powder ceramic tube. This construction provides great resistance to shock, vibration and temperature induced hysteresis.

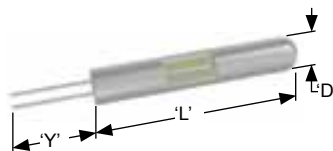
FEATURES

- Temperature Range:
 - » -196°C to 660°C
- Platinum Element Configuration:
 - » 100 Ohm
- Accuracy at 0°C:
 - » ±.12%, ±.5%,
- Leadwires:
 - » Platinum Alloy Leadwires

APPLICATIONS

- Process
- Aerospace
- Defense
- Hot Melt
- Motor / Generator

dimensions



'L' = Element Length
'D' = Element Diameter
'Y' = Leadwire/Cable Length

Coil-In-Hole Element

performance specifications

Stability:

Typical drift is less than 0.04% at 0°C after ten consecutive shocks from -200°C to 660°C

Vibration:

Will withstand vibration level of 30g over 10 Hz to 1kHz

Measuring Current:

1 mA

RTD Temperature Accuracy Specifications:

Element Material	TCR	Standard Tolerances at 0°C	
		±.12%	±.5%
Platinum	0.00392	0.30°C, 0.12Ω	1.20°C, 0.46Ω
Platinum	0.003916	0.30°C, 0.12Ω	1.20°C, 0.46Ω

ordering info

Standard Coil-In-Hole Element Configurations* (Model 652)

Part Number	Element Configuration	Accuracy	'L' Length	'D' Diameter	'Y' Leadwires
6841-02-03-02	Platinum 100 Ohm, .00392 TCR	±.5% at 0°C	15.0 mm [.591"]	1.60 mm [.063"]	10 mm [.394"]
6841-05-02-02	Platinum 100 Ohm, .00392 TCR	±.12% at 0°C	15.0 mm [.591"]	3.20 mm [.126"]	10 mm [.394"]
6841-06-02-05	Platinum 100 Ohm, .003916 TCR	±.12% at 0°C	15.0 mm [.591"]	1.50 mm [.059"]	10 mm [.394"]

联系方式



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