

Hollow Wire Wound Element

Low Mass Polyimide Cylinder
Two-Wire
Mechanical Robustness



Hollow Wire Wound Elements are designed for fast time response. The element wire is wound around a mandrel. The wound element is then inserted close to the outer diameter of a wrapped polyimide tape, leaving the center hollow. These elements are designed to be used within a sensor assembly.

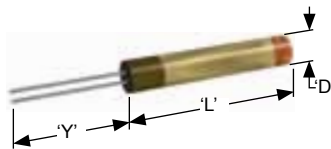
FEATURES

- Temperature Range:
 - » -50 to 250°C
- Element Configuration:
 - » Nickel, Copper
- Leadwires:
 - » Solid Copper

APPLICATIONS

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

dimensions



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

Hollow Wire Wound Element

performance specifications

Insulation Resistance:

1,000 Megaohms minimum at 500 Volts DC,
leads to outer surfaces

RTD Temperature Accuracy Specifications:

Element Material	TCR	Standard Tolerances at 0°C			
		±.06%	±.12%	±.2%	±.5%
Copper	0.00427	N/A	N/A	0.71°C, 0.028Ω	1.49°C, 0.058Ω
Nickel	0.00672	N/A	N/A	N/A	0.85°C, 0.68Ω

ordering info

Standard Hollow Wire Wound Element Configurations* (Model 653)

Part Number	Element Configuration	'L' Length	'D' Diameter	'Y' Leadwires	Max Temperature
1629	Copper 10 Ohm, .00427 TCR, ±.2% at 25°C	19.05 mm [.750"]	2.54 mm [.100"]	25.40 mm [1.00"]	250°C
2701	Copper 10 Ohm, .00427 TCR, ±.2% at 25°C	31.75 mm [1.25"]	1.58 mm [.062"]	31.75 mm [1.25"]	200°C
2747	Nickel 120 Ohm, .00672 TCR, ±.5% at 0°C	19.05 mm [.750"]	17.78 mm [.070"]	25.40 mm [1.00"]	230°C

*Custom options available. Please consult factory for details.

联系方式



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