JIN ZON ENTERPRISE CO., LTD.

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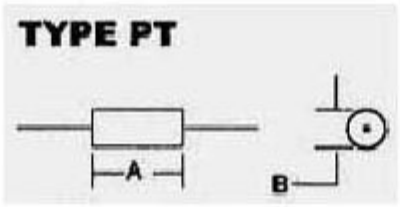
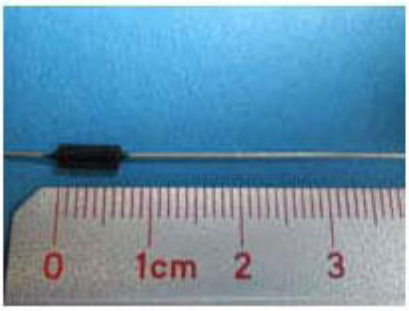
PT083 Wire Wound BALCO Element Sensor



PT083



Balco Tracking Chart & TCR Equations

Electrical & Physical Specifications:

A-Length:	8.43mm (.332")
B-Diameter:	2.54mm (.100")
Lead Dimensions:	.020" D X 1.500" L
Max Watts:	.05
Resistance (Ω):	1000Ω ±.1% @ 70°F (Std.)

Balco Series Engineering Attributes:

RESISTANCE & TOLERANCE

Standard Input: 1000Ω ±.1% @ 70°F. & .1%Tolerance

Special: .1Ω to 5KΩ

CUSTOM TOLERANCES

±.1% (Std) Also available: ±1%, ±.5%, ±.25%, ±.05%.

*Tolerances listed are attainable only with certain selected temperatures.

TCR CHARACTERISTIC

+4300ppm/°C. ±50ppm/°C

POWER RATING

The PT083 is rated for a maximum of 0.05W

CONSTRUCTION

Balco Wire

70% Nickel (Ni), 30% Iron (Fe)

Substrate

Phenolic/epoxy filled

Terminals

Solderable hot tinned pure copper leads are standard at PRC.

Protective Seal

Commercial Plastic (TX) Coating or Epoxy Casing.

RESISTANCE/TEMPERATURE CHARACTERISTIC

The Balco 1000Ω element changes approx. 2.3Ω/°F. from -40°F to +212°F.

STABILITY VS. TIME

±0.02%/yr. @ 25°C. (77°F.) All Balco elements are artificially aged to assure close interchangeability in calibration.

MARKING

PRC symbol, type, value, tolerance & TCR, physical size permitting. Custom markings are also available upon request.

DELIVERY

Our Standard 1000Ω .1% Tol. part is usually in stock and ready to ship within a couple of days.

BALCO RESISTANCE/TEMPERATURE TABLE

Engineering samples & individual element tracking charts available at no charge upon request. The Balco tracking chart & TCR Equations can be viewed by clicking the link below pictures.

Details

SKU	PT083
Type	Axial
Length	8.43mm (.332")
Diameter	2.54mm (.100")
TCR Char.	+4300ppm/°C. ±50ppm/°C. from +25°C. to +100°C.
Power Rating	.05W Max
Temperature	-65°C. to +125°C. (-40°F. to +212°F.)
Resistance	1KΩ at 21.1°C. (70°F.)
Tolerance	to ±.05%
Stability	Less than ±0.02%/yr. @ 25°C.
Max Watts	.05
Lead Free	Yes