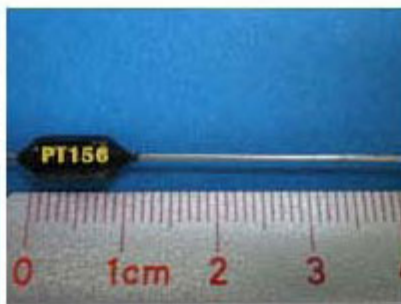
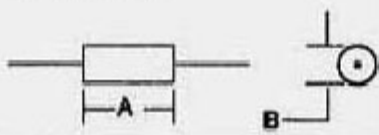


## PT156 Wire Wound BALCO Element Sensor

# PT156

### TYPE PT



### Electrical & Physical Specifications:

<b>A-Length:</b>	13.21mm (.520")
<b>B-Diameter:</b>	4.75mm (.187")
<b>Lead Dimensions:</b>	.028" D X 1.500" L
<b>Max Watts:</b>	.25
<b>Resistance (Ω):</b>	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 attainable with selected temperatures only.

#### TCR CHARACTERISTIC

+4300ppm/°C, ±50ppm/°C

#### POWER RATING

The PT156 is rated for a maximum of .25W

#### 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.

[View Balco tracking chart & TCR Equations](#)

## Details

SKU	PT156
Type	Axial
Length	13.21mm (.520")
Diameter	4.75mm (.187")
TCR Char.	+4300ppm/°C. ( $\pm 50$ ppm/°C.), (between 25°C. and +100°C.)
Power Rating	.25W Max
Temperature	-65°C. to +125°C.
Resistance	1K $\Omega$ at 21.1°C. (70°F.)
Tolerance	to $\pm .05\%$
Stability	to less than $\pm 0.02\%/yr.$ @ 25°C.
Max Watts	.25