

### Features

- Low TCR
- Low electrical noise

### Applications

- Motor control
- U.P.S.
- Power supplies
- Metering devices
- Welding

## PWR10020 S Series Shunt Resistor

### Material Specifications

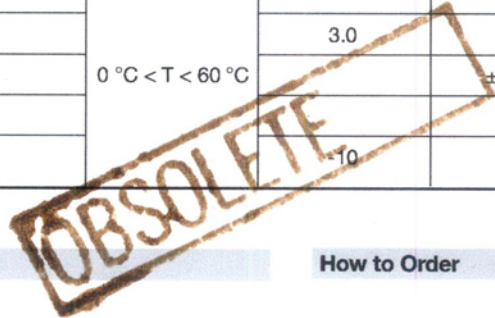
Resistor .....Metal Plate CuNiMn  
Lead Frame.....Nickel Plated Copper

### General Information

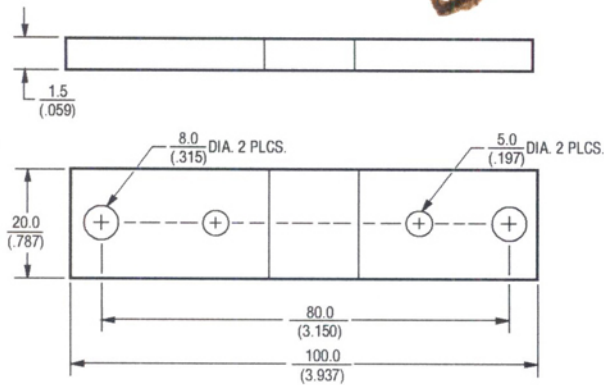
The Bourns® PWR10020 S Series, manufactured using CuNiMn metal alloy is specially designed for applications requiring high current values and high stability over a wide operating temperature range.

### Electrical & Thermal Characteristics

Parameter	Condition	Min.	Nom.	Max.	Unit	
Voltage Drop	0 °C < T < 60 °C		60		mV	
Tolerance		3.0		5.0	%	
TCR				±20.0		PPM/K
Current				150		A
Operating Temperature			-10		+55	°C



### Product Dimensions



DIMENSIONS =  $\frac{\text{MILLIMETERS}}{\text{(INCHES)}}$

### How to Order

**PWR 10020 - 4 S A**

Model \_\_\_\_\_  
 PWR = Power Resistor

Package \_\_\_\_\_  
 10020 = 100 x 20 mm

Number of Pins \_\_\_\_\_  
 2 = 2  
 4 = 4

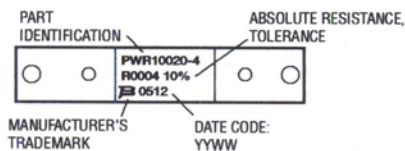
Function \_\_\_\_\_  
 S = Shunt

Version \_\_\_\_\_  
 A = 150 A, 60 mV 5 %  
 B = 150 A, 60 mV 5 % (with attachment screws)

### Packaging

30 pcs./box

### Typical Part Marking



Reliable Electronic Solutions

#### Asia-Pacific:

Tel: +886-2 2562-4117 • Fax: +886-2 2562-4116

#### Europe:

Tel: +41-41 768 5555 • Fax: +41-41 768 5510

#### The Americas:

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[www.bourns.com](http://www.bourns.com)

\*RoHS Directive 2002/95/EC Jan 27 2003, including Annex Specifications are subject to change without notice. Customers should verify actual device performance in their specific applications.