

## 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

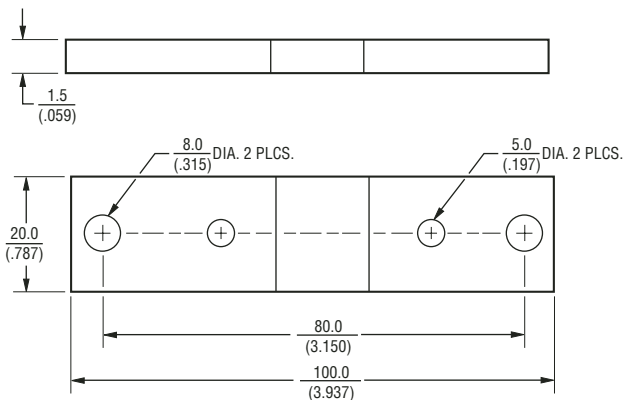
### General Information

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 =  $\frac{\text{MILLIMETERS}}{25.4}$   
(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

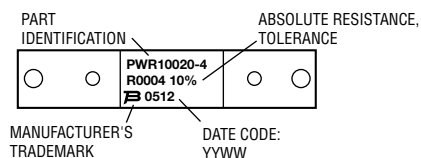
Function \_\_\_\_\_  
S = Shunt

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:

Tel: +1-951 781-5500 • Fax: +1-951 781-5700

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