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

<table>
<thead>
<tr>
<th>Parameter</th>
<th>Condition</th>
<th>Min.</th>
<th>Nom.</th>
<th>Max.</th>
<th>Unit</th>
</tr>
</thead>
<tbody>
<tr>
<td>Voltage Drop</td>
<td>0 °C &lt; T &lt; 60 °C</td>
<td>3.0</td>
<td>60 mV</td>
<td>5.0</td>
<td>%</td>
</tr>
<tr>
<td>Tolerance</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>PPM/K</td>
</tr>
<tr>
<td>TCR</td>
<td></td>
<td></td>
<td></td>
<td>20.0</td>
<td></td>
</tr>
<tr>
<td>Current</td>
<td></td>
<td></td>
<td></td>
<td>150</td>
<td>A</td>
</tr>
<tr>
<td>Operating Temperature</td>
<td></td>
<td></td>
<td></td>
<td>-55</td>
<td>°C</td>
</tr>
</tbody>
</table>

How to Order

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

Dimensions = MILLIMETERS
( INCHES )

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Specifications are subject to change without notice.
Customers should verify actual device performance in their specific applications.