General Specifications

438920, 438921 and 438922
Shunt Resistor for Clamp Input Terminal

GS 04P01A01-92EN

Overview

438920, 438921 and 438922 are precision shunt resistors, to convert DC current signal to DC voltage.

Model and Suffix Codes

<table>
<thead>
<tr>
<th>Model</th>
<th>Description</th>
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</thead>
<tbody>
<tr>
<td>438920</td>
<td>250 ohm resistance (for clamp terminal)</td>
</tr>
<tr>
<td>438921</td>
<td>100 ohm resistance (for clamp terminal)</td>
</tr>
<tr>
<td>438922</td>
<td>10 ohm resistance (for clamp terminal)</td>
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</tbody>
</table>

Items to Specify when Ordering

Clearly state the model.

Characteristics

- Resistance Tolerance: ±0.1 %
- TCR (ppm/°C): ±25 ppm/°C
- Rated Power: 0.3 W
- Allowable maximum current: Model 438920: 35mA, Model 438921: 55mA, Model 438922: 173mA
- Recommended input current: Model 438920: 4-20mA, Model 438921: 10-50mA, Model 438922: 4-20mA/10-50mA
- Rated Ambient Temperature: 70 °C
- Operational Temperature Range: -25 to +80 °C
- Storage Temperature Range: -40 to +85 °C

External Dimensions

Unit: mm