Global RF Link

2 way Resistive Power Divider 2.92 Connectors From DC to 40GHz

The G-FP-01-0099 is a 2 way Resistive power divider that operates from DC to 40 GHz and can handle up to 1 Watts. This 2.92 power divider offers 12 dB Isolation and 2.50:1 max VSWR. The package interface uses 2.92 on all of the ports.

<table>
<thead>
<tr>
<th>Description</th>
<th>Min</th>
<th>Type</th>
<th>Max</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>Frequency Range</td>
<td>DC</td>
<td></td>
<td>40</td>
<td>GHz</td>
</tr>
<tr>
<td>Impedance</td>
<td>50</td>
<td></td>
<td></td>
<td>dB</td>
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<tr>
<td>Insertion Loss</td>
<td>7.5</td>
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<td></td>
<td>dB</td>
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<tr>
<td>Input VSWR</td>
<td>1.50:1</td>
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<tr>
<td>Output VSWR</td>
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<td></td>
<td>2.50:1</td>
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<tr>
<td>Isolation</td>
<td>12</td>
<td></td>
<td></td>
<td>dB</td>
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<tr>
<td>Amplitude Balance</td>
<td>±0.4</td>
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<td></td>
<td>dB</td>
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<tr>
<td>Phase Balance</td>
<td>±5</td>
<td></td>
<td></td>
<td>Degrees</td>
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<td>Power Handling</td>
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<td></td>
<td>1 Watt</td>
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</tbody>
</table>

Electrical Specification Notes:

Mechanical Specifications

Size

- Length: 0.69 in [17.5mm]
- Width: 0.62 in [15.8 mm]
- Height: 0.39 in [10 mm]
- Weight: TBD

Housing Material and Plating

Gray

Configuration

- Input Connector: 2.92 Female
- Out Connectors: 2.92 Female

Features:

- 2-Way Power Divider
- Resistive Design
- DC to 40GHz Frequency Range
- Power Handling 1 Watt
- Isolation > 12 dB

Application:

- Test and Measurement
- Military Communications
- Commercial Communications
- Wireless Communications
- SATCOM
Environmental Specifications

Temperature

Operating Range: -40 to +70 °C
Storage Range: -40 to +70 °C

Compliance Certifications
Test Plots

Loss & Amplitude

Input VSWR

Output VSWR

Phase Unbalance