2 Way Power Divider SMA Connectors From 2 GHz to 8 GHz Rated at 30 Watts

Fairview Microwave carries a wide selection of power dividers to fit your needs. These components are essential in many systems, allowing the combination of multiple signals or splitting of a single signal into multiple signals with equal magnitude and phase. Fairview Microwave's resistive and reactive power dividers come with excellent performance featuring minimal loss, high isolation and low VSWR. They are available in both narrow and broad bandwidths with a variety of connector types.

The MP0208-2 is a 2 way reactive power divider that operates from 2 to 8 GHz and can handle up to 30 Watts (CW). This SMA power divider offers 20 dB min isolation and 1.4:1 max VSWR. The package interface uses SMA inputs on all of the ports.

### Electrical Specifications

<table>
<thead>
<tr>
<th>Description</th>
<th>Min</th>
<th>Typ</th>
<th>Max</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>Frequency Range</td>
<td>2</td>
<td>8</td>
<td>GHz</td>
<td></td>
</tr>
<tr>
<td>Impedance</td>
<td>50</td>
<td>50</td>
<td>Ohms</td>
<td></td>
</tr>
<tr>
<td>Input VSWR</td>
<td>1.4:1</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Output VSWR</td>
<td>1.4:1</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Insertion Loss</td>
<td>4</td>
<td></td>
<td>dB</td>
<td></td>
</tr>
<tr>
<td>Isolation</td>
<td>20</td>
<td></td>
<td>dB</td>
<td></td>
</tr>
<tr>
<td>Amplitude Balance</td>
<td>±0.3</td>
<td></td>
<td>dB</td>
<td></td>
</tr>
<tr>
<td>Phase Balance</td>
<td>±4</td>
<td></td>
<td>Degrees</td>
<td></td>
</tr>
<tr>
<td>Input Power (CW)</td>
<td>30</td>
<td></td>
<td>Watts</td>
<td></td>
</tr>
</tbody>
</table>

Electrical Specification Notes:
Values at +25°C, sea level.
Insertion loss includes 3dB theoretical loss.

### Mechanical Specifications

<table>
<thead>
<tr>
<th>Size</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Length</td>
<td>1.102 in [27.99 mm]</td>
</tr>
<tr>
<td>Width</td>
<td>1.102 in [27.99 mm]</td>
</tr>
<tr>
<td>Height</td>
<td>0.393 in [9.98 mm]</td>
</tr>
<tr>
<td>Weight</td>
<td>0.0435 lbs [19.73 g]</td>
</tr>
<tr>
<td>Housing Material and Plating</td>
<td>Aluminum, Gray</td>
</tr>
</tbody>
</table>

### Configuration

Input Connector: SMA Female
Output Connectors: SMA Female

### Environmental Specifications

<table>
<thead>
<tr>
<th>Temperature</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Operating Range</td>
<td>-55 to +85 deg C</td>
</tr>
<tr>
<td>Storage Range</td>
<td>-55 to +100 deg C</td>
</tr>
</tbody>
</table>

Features:
- 2-Way Power Divider
- Reactive Design
- 2 GHz to 8 GHz Frequency Range
- Max Power 30W (CW)
- Isolation > 20 dB

Applications:
- Test and Measurement
- Military Communications
- Commercial Communications
- Wireless Communications
- SATCOM

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Compliance Certifications (see product page for current document)

Plotted and Other Data

Notes:

Typical Performance Data

![Graph showing MP0208-2 S11 and Isolation dB from 2 GHz to 8 GHz]

2 Way Power Divider SMA Connectors From 2 GHz to 8 GHz Rated at 30 Watts from Fairview Microwave is in-stock and available to ship same-day. All of our RF/microwave products are available off-the-shelf from our ISO 9001:2008 certified facilities in Allen, Texas. Fairview Microwave is RF on-demand.

For additional information on this product, please click the following link: 2 Way Power Divider SMA Connectors From 2 GHz to 8 GHz Rated at 30 Watts MP0208-2


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2. ALL SPECIFICATIONS ARE SUBJECT TO CHANGE WITHOUT NOTICE AT ANY TIME.
3. DIMENSIONS ARE IN INCHES [mm].

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TITLES
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TITLE
MP0208-2
CAGE CODE
3FKR5

CAD FILE 011415 SHEET SCALE N/A SIZE A 5568

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REV 2.3 Page 3 of 3

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