4 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 MP0208-4 is a 4 way reactive power divider that operates from 2 to 8 GHz and can handle up to 30 Watts (CW). This SMA power divider offers 17 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></td>
<td></td>
<td>Ohms</td>
</tr>
<tr>
<td>Input VSWR</td>
<td></td>
<td>1.4:1</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Output VSWR</td>
<td></td>
<td>1.4:1</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Insertion Loss</td>
<td></td>
<td>7.5</td>
<td>dB</td>
<td></td>
</tr>
<tr>
<td>Isolation</td>
<td></td>
<td>17</td>
<td>dB</td>
<td></td>
</tr>
<tr>
<td>Amplitude Balance</td>
<td></td>
<td>±0.4</td>
<td>dB</td>
<td></td>
</tr>
<tr>
<td>Phase Balance</td>
<td></td>
<td>±5</td>
<td>Degrees</td>
<td></td>
</tr>
<tr>
<td>Input Power (CW)</td>
<td></td>
<td>30</td>
<td>Watts</td>
<td></td>
</tr>
</tbody>
</table>

Electrical Specification Notes:
Values at +25°C, sea level.
Insertion loss includes 6dB theoretical loss.

### Mechanical Specifications

- **Size**
  - Length: 2.21 in [56.13 mm]
  - Width: 1.97 in [50.04 mm]
  - Height: 0.39 in [9.91 mm]
  - Weight: 0.149 lbs [67.59 g]
- **Configuration**
  - Input Connector: SMA Female
  - Output Connectors: SMA Female

### Environmental Specifications

- **Temperature**
  - Operating Range: -55 to +125 deg C
  - Storage Range: -55 to +100 deg C

---

Features:
- 4-Way Power Divider
- Reactive Design
- 2 GHz to 8 GHz Frequency Range
- Max Power 30W (CW)
- Isolation > 17 dB

Applications:
- Test and Measurement
- Military Communications
- Commercial Communications
- Wireless Communications
- SATCOM
Compliance Certifications (see product page for current document)

Plotted and Other Data

Notes:

Typical Performance Data

4 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: 4 Way Power Divider SMA Connectors From 2 GHz to 8 GHz Rated at 30 Watts MP0208-4

URL: https://www.fairviewmicrowave.com/4-way-power-divider-sma-8-ghz-30-watts-mp0208-4-p.aspx

The information contained in this document is accurate to the best of our knowledge and representative of the part described herein. It may be necessary to make modifications to the part and/or the documentation of the part, in order to implement improvements. Fairview Microwave reserves the right to make such changes as required. Unless otherwise stated, all specifications are nominal. Fairview Microwave does not make any representation or warranty regarding the suitability of the part described herein for any particular purpose, and Fairview Microwave does not assume any liability, arising out of the use of any part or documentation.
**STANDARD TOLERANCES APPLY ONLY TO DIMENSIONS IN INCHES**

- **.X** ±0.2
- **.XX** ±0.01
- **.XXX** ±0.005

**NOTES:**
1. UNLESS OTHERWISE SPECIFIED ALL DIMENSIONS ARE NOMINAL.
2. ALL SPECIFICATIONS ARE SUBJECT TO CHANGE WITHOUT NOTICE AT ANY TIME.
3. DIMENSIONS ARE IN INCHES [mm].

**FAIRVIEW MICROWAVE INC.**

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

**DWG NO**
MP0208-4

**CAGE CODE**
3FKR5

**CAD FILE**
02218

301 Leora Ln., Suite 100, Lewisville, TX 75056 | Tel: 1-800-715-4396 / (972) 649-6678 / Fax: (972) 649-6689

Copyright © 2018