2 Way Power Divider 2.92mm Connectors Resistive
From DC to 40 GHz Rated at 1 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 Wilkinson 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 such as 2.92mm, BNC, N and SMA.

The MPR40M-2 is a 2 way resistive power divider that operates from DC to 40 GHz can handle up to 1 Watt (CW) with 9 dB max insertion loss. The package interface uses 2.92mm connectors and is REACH and RoHS compliant.

### 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>DC</td>
<td>40</td>
<td>GHz</td>
<td></td>
</tr>
<tr>
<td>Impedance</td>
<td>50</td>
<td></td>
<td>Ohms</td>
<td></td>
</tr>
<tr>
<td>Input VSWR</td>
<td>1.9:1</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Insertion Loss</td>
<td>9</td>
<td></td>
<td>dB</td>
<td></td>
</tr>
<tr>
<td>Input Power (CW)</td>
<td>1</td>
<td></td>
<td>Watts</td>
<td></td>
</tr>
<tr>
<td>Input Power (Peak)</td>
<td>1</td>
<td></td>
<td>KWatts</td>
<td></td>
</tr>
<tr>
<td></td>
<td>5µs pulse, 0.05% duty cycle</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**Electrical Specification Notes:**

Insertion loss includes splitting loss.

### Mechanical Specifications

- **Size**
  - Length: 0.58 in [14.73 mm]
  - Width: 0.58 in [14.73 mm]
  - Height: 0.35 in [8.89 mm]
  - Weight: 0.04012 lbs [18.2 g]

- **Configuration**
  - Package Type: Connectorized
  - Input Connector: 2.92mm Male
  - Output Connectors: 2.92mm Female

### Environmental Specifications

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

### Compliance Certifications (visit www.FairviewMicrowave.com for current document)

- RoHS Compliant: Yes
- REACH Compliant: 12/17/2015
Plotted and Other Data

Notes:

Typical Performance Data

![Typical Performance Data Graph](image)

2 Way Power Divider 2.92mm Connectors Resistive From DC to 40 GHz Rated at 1 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 2.92mm Connectors Resistive From DC to 40 GHz Rated at 1 Watts MPR40M-2](http://www.fairviewmicrowave.com/2-way-power-divider-2.92mm-resistive-40-ghz-1-watts-mpr40m-2-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.
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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].

STANDARD TOLERANCES

<table>
<thead>
<tr>
<th>Tolerance</th>
<th>Tolerance Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>.XX</td>
<td>±0.01</td>
</tr>
<tr>
<td>.XXX</td>
<td>±0.003</td>
</tr>
</tbody>
</table>

*STANDARD TOLERANCES APPLY ONLY TO DIMENSIONS IN INCHES