Features
- Insertion Loss: 0.5 dB Typical Mid-band
- Isolation: 38 dB Typical Mid-band
- VSWR: 1.2:1 Typical Mid-band
- Impedance: 50 Ohms Nominal
- Maximum Power Rating or Input Power: 1 Watt Max.
- Internal Load Dissipation: 0.05 Watts Max.
- MIL-STD-883 Screening Available

Description
A Power Divider is ideally a lossless reciprocal device which can also perform vector summation of two or more signals and thus is sometimes called a

Ordering Information

<table>
<thead>
<tr>
<th>Part Number</th>
<th>Package</th>
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<tbody>
<tr>
<td>DS-324 PIN</td>
<td>FP-5</td>
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Pin Configuration

<table>
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<tr>
<th>Pin No.</th>
<th>Function</th>
<th>Pin No.</th>
<th>Function</th>
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<tbody>
<tr>
<td>1</td>
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<tr>
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<td>Output</td>
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<tr>
<td>4</td>
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<td>GND</td>
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<td>12</td>
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<tr>
<td>7</td>
<td>GND</td>
<td>14</td>
<td>Output</td>
</tr>
</tbody>
</table>
## Electrical Specifications

### Parameter | Test Conditions | Frequency | Units | Min | Typ | Max
--- | --- | --- | --- | --- | --- | ---
Insertion Loss | Less Coupling | 25 - 200 MHz | dB | — | — | 0.75
 | | 25 - 1000 MHz | dB | — | — | 1.0
Isolation | — | 25 - 1000 MHz | dB | 20 | — | —
Amplitude Balance | — | 25 - 1000 MHz | dB | — | — | 0.25
Phase Balance | — | 25 - 500 MHz | ° | — | — | 3
 | | 500 - 1000 MHz | ° | — | — | 6
VSWR | Input | 25 - 500 MHz | Ratio | — | — | 1.3:1
 | Output | 500 - 1000 MHz | Ratio | — | — | 1.4:1

1. All specifications apply with 50 ohm source and load impedance.
   This product contains elements protected by United States Patent Number 3,428,920.
Typical Performance Curves

**Insertion Loss**

**Isolation**

**VSWR**

Visit [www.macom.com](http://www.macom.com) for additional data sheets and product information.

For further information and support please visit: [https://www.macom.com/support](https://www.macom.com/support)