Broadband Two-Way Power Divider, 2 MHz - 2 GHz

**Features**

- 11 Octave Coverage
- Low Loss - 1.25 dB Max
- High Isolation - 20 dB Min

**Guaranteed Specifications: From –55°C to +85°C**

<table>
<thead>
<tr>
<th>Parameter</th>
<th>Frequency Range</th>
<th>30-3000 MHz</th>
</tr>
</thead>
</table>
| Insertion Loss (less coupling) | 2-10 MHz  
10-1000 MHz  
1000 MHz-2 GHz | 1.0 dB Max  
1.0 dB Max  
1.7 dB Max |
| Isolation | 2-10 MHz  
10-1000 MHz  
1000 MHz-2 GHz | 20 dB Min  
25 dB Min  
20 dB Min |
| Amplitude Balance | 2-10 MHz  
10-1000 MHz  
1000 MHz-2 GHz | 0.1 dB Max  
0.1 dB Max  
0.6 dB Max |
| VSWR (All Ports) | 2-10 MHz  
10-1000 MHz  
1000 MHz-2 GHz | 2.5:1 Max  
1.3:1 Max  
1.5:1 Max |
| Phase Balance | 2-1000 MHz  
1000 MHz-2 GHz | 2.5° Max  
5° Max |

**Operating Characteristics**

<table>
<thead>
<tr>
<th>Parameter</th>
<th>Absolute Maximum</th>
</tr>
</thead>
<tbody>
<tr>
<td>Impedance</td>
<td>50 Ohms Nominal</td>
</tr>
<tr>
<td>Maximum Power Rating Or Input Power</td>
<td>2.0 Watt Max</td>
</tr>
<tr>
<td>Internal Load Dissipation</td>
<td>0.5 Watt Max</td>
</tr>
<tr>
<td>Environmental MIL-STD-883 screening available.</td>
<td></td>
</tr>
</tbody>
</table>

* All specifications apply with 50 ohm source and load impedance.
Typical Performance Curves

Ordering Information

<table>
<thead>
<tr>
<th>Part Number</th>
<th>Package</th>
</tr>
</thead>
<tbody>
<tr>
<td>H-8-4 N</td>
<td>Connectorized</td>
</tr>
<tr>
<td>H-8-4 SMA</td>
<td>Connectorized</td>
</tr>
<tr>
<td>H-8-4 TNC</td>
<td>Connectorized</td>
</tr>
<tr>
<td>H-8-4 BNC</td>
<td>Connectorized</td>
</tr>
</tbody>
</table>

Functional Diagram

Figure 1. 2-Way, In-Phase (0°) PowerDivider/Summer, or ISO-T