Model: BC-100A-20N

Description: 20dB Bi-Directional-Coupler

Operating Frequency: 20 - 1000 MHz

Coupling (reference to input): 20 ± 1 dB Nominal

Coupling Flatness: ± 1 dB Max

Insertion Loss (including coupled power):

<table>
<thead>
<tr>
<th>Frequency Range</th>
<th>Insertion Loss</th>
</tr>
</thead>
<tbody>
<tr>
<td>20 - 500 MHz</td>
<td>1.0 dB Max</td>
</tr>
<tr>
<td>500 - 1000 MHz</td>
<td>1.6 dB Max</td>
</tr>
</tbody>
</table>

VSWR:

<table>
<thead>
<tr>
<th>Frequency Range</th>
<th>VSWR</th>
</tr>
</thead>
<tbody>
<tr>
<td>20 - 30 MHz</td>
<td>1.65:1 Max</td>
</tr>
<tr>
<td>30 - 1000 MHz</td>
<td>1.45:1 Max</td>
</tr>
</tbody>
</table>

Directivity: 18 dB Min

Power Handling: 2W CW / Peak

Connectors: N (f)

Impedance: 50 Ohms Nominal

Quality: Best-Commercial-Grade

Environmental Ratings:

Temperature: Operating: -40°C to +85°C & Storage: -50°C to +100°C

Humidity: MIL-STD-202F, Method 103B, Cond. B (96 hours at 95% R.H.)


Vibration: MIL-STD-202F, Method 204D, Cond. B (.06" double amplitude, or 15G)

Altitude: MIL-STD-202F, Method 105C, Cond. B (50,000 Feet)


Outline

- Specifications are subject to change without notice