Model: BC-100A-30N

Description: 30dB Bi-Directional-Coupler

Operating Frequency: 2 - 1000 MHz

Coupling (reference to input): 30 ± 1.5 dB Nominal

Coupling Flatness: ±1.2 dB Max

Insertion Loss (including coupled power):

<table>
<thead>
<tr>
<th>Frequency Range</th>
<th>Insertion Loss (dB)</th>
</tr>
</thead>
<tbody>
<tr>
<td>20 - 500 MHz</td>
<td>1.0 Max</td>
</tr>
<tr>
<td>500 - 1000 MHz</td>
<td>1.6 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>1.6:1 Max</td>
</tr>
<tr>
<td>30 - 1000 MHz</td>
<td>1.4:1 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 (0.06” double amplitude, or 15G)

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


Outline

- Specifications are subject to change without notice