Model: BC-050A-30N
Description: 30dB Bi-Directional-Coupler
Operating Frequency: 1 - 500 MHz
Coupling (reference to input): 30 ± 1.5 dB Nominal
Coupling Flatness: ± 1.0 dB Max
Insertion Loss (including coupled power): 1.7 dB Max

VSWR:

<table>
<thead>
<tr>
<th>Frequency Range</th>
<th>VSWR</th>
</tr>
</thead>
<tbody>
<tr>
<td>1 - 2 MHz</td>
<td>1.55:1 Max</td>
</tr>
<tr>
<td>2 - 500 MHz</td>
<td>1.4:1 Max</td>
</tr>
</tbody>
</table>

Directivity:

<table>
<thead>
<tr>
<th>Frequency Range</th>
<th>Directivity</th>
</tr>
</thead>
<tbody>
<tr>
<td>1 - 100 MHz</td>
<td>30 dB Max</td>
</tr>
<tr>
<td>100 - 500 MHz</td>
<td>20 dB Max</td>
</tr>
</tbody>
</table>

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