1-18 GHz

**Broadband High Directivity Couplers**

- Broadband Frequency Coverage from 1 to 18 GHz in a Single Unit
- High Directivity
- Increased Dynamic Range
- Flat Frequency Response

**Specifications**

*Type N and 7 mm, 1 to 18 GHz, 5 W*

<table>
<thead>
<tr>
<th>FREQUENCY RANGE (GHz)</th>
<th>MODEL</th>
<th>NOMINAL COUPLING* (dB)</th>
<th>DIRECTIVITY (dB min.)</th>
<th>VSWR</th>
<th>FREQUENCY SENSITIVITY (dB max.)</th>
<th>CONNECTORS</th>
<th>TRUE INSERTION LOSS (dB max.)</th>
<th>OPTIONS AVAILABLE</th>
<th>WEIGHT (max.)</th>
</tr>
</thead>
<tbody>
<tr>
<td>1-18</td>
<td>3292-1</td>
<td>13 ±1</td>
<td>1.5-18 GHz</td>
<td>1.5</td>
<td>1.40</td>
<td>1.35</td>
<td>1.40</td>
<td>-02</td>
<td>12</td>
</tr>
<tr>
<td>1-18</td>
<td>3292-2</td>
<td>13 ±1</td>
<td>1.5-18 GHz</td>
<td>1.5</td>
<td>1.40</td>
<td>1.35</td>
<td>1.40</td>
<td>-02</td>
<td>12</td>
</tr>
<tr>
<td>1-18</td>
<td>5292</td>
<td>13 ±1</td>
<td>1.5-18 GHz</td>
<td>1.5</td>
<td>1.40</td>
<td>1.35</td>
<td>1.40</td>
<td>-01</td>
<td>12</td>
</tr>
</tbody>
</table>

* Nominal Coupling is defined as average coupling over the designated frequency range

\[
\frac{C_{\text{max.}} + C_{\text{min.}}}{2}
\]

Refer to Typical Coupling Curve on page 100 for 1-1.5 GHz.

**NOTES:**

- Standard Version (all models) has N Female, Coupled-Output Port.
- All units are available on a Custom-Order basis. Minimum quantities may apply.

**OPTIONS:**

- Precision Stainless Steel Type N Female Connector on the secondary line (Example: 3292-1-01).
- Precision Stainless Steel SMA Female Connector on the secondary line (Example: 3292-1-02).

**POWER RATING:**

5 W average, 100 W peak
Couplers

Outline Drawings

TYPICAL DIRECTIVITY CURVE
3292 / 5292

TYPICAL COUPLING CURVE
3292 / 5292

MODELS 3292, 5292

Dimensions in inches, unless otherwise specified.