**Features**

- **Power Out 1 dB comp. 21.5 dBm**
- Unconditionally Stable at all temperatures
- Internally Regulated DC Voltage
- 50 Ohm Matched Input/Output
- Field Replaceable SMA connectors
- Excellent Group Delay and Phase Linearity
- 0.009 inches diameter RF In/Out feed through
- 3 Year Warranty

**Options**

- Optimized Performance over Selected Bandwidth
- Internally DC Block Input (Output DC Block Standard)
- Hermetically Sealed Package
- Gain and Phase matching
- Extended bandwidth to 100 MHz.
- Internal D.C. Voltage regulation

**Specifications (23 °C)**

<table>
<thead>
<tr>
<th>Parameter</th>
<th>Min</th>
<th>Typ</th>
<th>Max</th>
</tr>
</thead>
<tbody>
<tr>
<td>Frequency Range</td>
<td>0.5</td>
<td>18</td>
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<tr>
<td>Noise Figure</td>
<td>4.3</td>
<td></td>
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<tr>
<td>Gain</td>
<td>30</td>
<td>33</td>
<td>-</td>
</tr>
<tr>
<td>Gain Flattness</td>
<td>±2.8</td>
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<tr>
<td>*P1dB Output Power</td>
<td>21.5</td>
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<td></td>
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<tr>
<td>Input VSWR</td>
<td>2.3:1</td>
<td>2.5:1</td>
<td></td>
</tr>
<tr>
<td>Output VSWR</td>
<td>2.0:1</td>
<td>2.3:1</td>
<td></td>
</tr>
<tr>
<td>Operating Temperature</td>
<td>-55</td>
<td>-</td>
<td>+85</td>
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<tr>
<td><strong>Voltage</strong></td>
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<tr>
<td>Current</td>
<td>-345</td>
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<td>mA</td>
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</tbody>
</table>

*IMP: UNIT REQUIRES HEAT SINK.
** Input +15V with Internal D.C. voltage Regulation available

**Performance Graphs**

- Gain (dB)
- Noise Figure (dB)
- Power 1dB Compression
- Delay (ps)
- Input Return Loss (dB)
- Output Return loss (dB)

**Outline Drawing**

**Mounting Drawing**

**Drop In Module**