Features
- High Output Power: +19.0 dBm Typical
- Operating Temp. -55 °C to +85 °C
- Low Noise Figure: 3.0 dB Typical
- Environmental Screening Available

Specifications

<table>
<thead>
<tr>
<th>CHARACTERISTIC</th>
<th>TYPICAL</th>
<th>MIN/MAX</th>
</tr>
</thead>
<tbody>
<tr>
<td>Frequency</td>
<td>5 - 350 MHz</td>
<td>10 - 250 MHz</td>
</tr>
<tr>
<td>Gain (dB)</td>
<td>24.0</td>
<td>22.7 Min.</td>
</tr>
<tr>
<td>Power @ 1 dB Comp. (dBm)</td>
<td>+19.0</td>
<td>+17.5 Min. *</td>
</tr>
<tr>
<td>Reverse Isolation (dB)</td>
<td>-28</td>
<td>-25 Max.</td>
</tr>
<tr>
<td>VSWR In</td>
<td>&lt;1.5:1</td>
<td>2.0:1 Max.</td>
</tr>
<tr>
<td>VSWR Out</td>
<td>&lt;1.4:1</td>
<td>1.8:1 Max.</td>
</tr>
<tr>
<td>Noise Figure (dB)</td>
<td>3.0</td>
<td>4.0 Max.</td>
</tr>
<tr>
<td>Power Vdc mA</td>
<td>+15</td>
<td>+15 Min.</td>
</tr>
</tbody>
</table>

Note: Care should always be taken to effectively ground the case of each unit.
* .5 dB less below 20 MHz.

Typical Intermodulation Performance at 25 °C
- Second Order Harmonic Intercept Point...... +45 dBm (Typ.)
- Second Order Two Tone Intercept Point....... +40 dBm (Typ.)
- Third Order Two Tone Intercept Point........ +31 dBm (Typ.)

Maximum Ratings
- Ambient Operating Temperature ............... -55ºC to + 100 ºC
- Storage Temperature ............................. -62ºC to + 125 ºC
- Case Temperature ....................................... + 125 ºC
- DC Voltage ............................................... + 18 Volts
- Continuous RF Input Power ...................... + 10 dBm
- Short Term RF Input Power ...... 50 Milliwatts (1 Minute Max.)
- Maximum Peak Power .............................. 0.5 Watt (3 µsec Max.)

Typical Performance Data

Gain (dB)

Reverse Isolation (dB)

Noise Figure (dB)

Input VSWR

Output VSWR

Legend ——— + 25 °C ——— + 85 °C ——— -55 °C