Features: (typical values)

- **Wideband**  
  400-2700 MHz
- **High Second Order IP2** +56.0 dBm.
- **High Third Order IP3** +41.0 dBm.
- **High Gain** +33 dB
- **Low Noise** +3.0 dB

**Maximum Ratings**

- Storage Temperature: -55˚C to +125˚C
- DC Voltage: +17 volts
- RF Input Power: +15.0 dBm.
- Case Temperature: +95˚C

**Specifications (Referenced to 50 ohms)**

<table>
<thead>
<tr>
<th>Parameter</th>
<th>Typical Conditions</th>
<th>Min Value</th>
<th>Max Value</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>Frequency</td>
<td>400/2700 MHz</td>
<td>450</td>
<td>2700</td>
<td>MHz.</td>
</tr>
<tr>
<td>Gain</td>
<td>33</td>
<td>31</td>
<td></td>
<td>dB.</td>
</tr>
<tr>
<td>Gain Flatness</td>
<td>±0.3</td>
<td>±1.0</td>
<td></td>
<td>dB.</td>
</tr>
<tr>
<td>Gain Var. over temp.</td>
<td>0.5</td>
<td></td>
<td></td>
<td>dB.</td>
</tr>
<tr>
<td>Pout @ 1dB Comp</td>
<td>+25</td>
<td>+23</td>
<td></td>
<td>dBm.</td>
</tr>
<tr>
<td>Noise Figure</td>
<td>3.0</td>
<td></td>
<td>4.0</td>
<td>dB.</td>
</tr>
<tr>
<td>Reverse Isolation</td>
<td>30</td>
<td></td>
<td></td>
<td>dB.</td>
</tr>
<tr>
<td>IP3/IP2 (two tone)*</td>
<td>41/56</td>
<td>36/51</td>
<td></td>
<td>dBm.</td>
</tr>
<tr>
<td>HIP2 (2°nd harm.)</td>
<td>61</td>
<td></td>
<td></td>
<td>dBm.</td>
</tr>
<tr>
<td>VSWR In/Out</td>
<td>1.5:1</td>
<td>2.0:1</td>
<td></td>
<td>Ratio</td>
</tr>
<tr>
<td>Supply Required</td>
<td>+15/300</td>
<td>+15V/350</td>
<td></td>
<td>v/mA</td>
</tr>
</tbody>
</table>

Min. and max. values are from 0˚C to +85˚C

*IP3 and IP2 are in band output intercept points
Typical Performance Curves @
- 0°C  
- +25°C  
- +85°C

- Gain vs. Frequency
  - Gain (dB)
  - Frequency range: 400 to 2700

- NF vs. Frequency
  - NF (dB)
  - Frequency range: 400 to 2700

- Pout vs. Frequency
  - Pout (dBm)
  - Frequency range: 400 to 2700

- VSWR vs. Frequency
  - VSWR
  - Frequency range: 400 to 2700

- IP3/IP2 & HIP2 vs. Frequency
  - IP3, IP2, HIP2 (dBm)
  - Frequency range: 400 to 2700