Features: (typical values)
- High Gain .................................................. 20dB
- Medium Noise Figure ................................. 3.0 dB
- Medium Output Power ............................... +17.0 dBm.
- High Reliability
- ASC663F for Hermetic Package (Surface Mount available)
- ASC663C for SMA-F connectorized

Maximum Ratings
Storage Temperature ......................... -62˚C to +125˚C
DC Voltage .................................................. +7 volts
RF Input Power ........................................... +13.0 dBm.
Case Temperature ................................. +100˚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></td>
<td>10</td>
<td>2000</td>
<td>MHz.</td>
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<tr>
<td>Gain</td>
<td>20</td>
<td>19.0</td>
<td>±1.0</td>
<td>dB.</td>
</tr>
<tr>
<td>Gain Flatness</td>
<td>±0.5</td>
<td></td>
<td>±1.0</td>
<td>dB.</td>
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<tr>
<td>Gain Var. over temp</td>
<td>0.6</td>
<td></td>
<td></td>
<td>dB.</td>
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<tr>
<td>Pout @ 1dB Comp</td>
<td>+17.0</td>
<td></td>
<td>+15.0</td>
<td>dBm.</td>
</tr>
<tr>
<td>Noise Figure</td>
<td>3.0</td>
<td></td>
<td>4.0</td>
<td>dB.</td>
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<tr>
<td>Reverse Isolation</td>
<td>24</td>
<td></td>
<td></td>
<td>dB.</td>
</tr>
<tr>
<td>IP3/IP2 (two-tone)*</td>
<td>30/43</td>
<td>27/40</td>
<td></td>
<td>dBm.</td>
</tr>
<tr>
<td>HIP2 (2nd harm.)</td>
<td>50.0</td>
<td></td>
<td></td>
<td>dBm.</td>
</tr>
<tr>
<td>VSWR In/Out</td>
<td>1.8:1</td>
<td></td>
<td>2.0:1</td>
<td></td>
</tr>
<tr>
<td>Supply Required</td>
<td>+5/73</td>
<td>+5/80</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

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Typical Performance Curves

- Gain vs. Frequency
- NF vs. Frequency
- Pout vs. Frequency
- VSWR vs. Frequency
- IP 3/IP2 & HIP2 vs. Frequency

Gain vs. Frequency

NF vs. Frequency

Pout vs. Frequency

VSWR vs. Frequency

IP 3/IP2 & HIP2 vs. Frequency

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