RF AMPLIFIER
MODEL  QBS-276

Available as:  QBS-276, SMA Connectorized Housing

Features
- High Power: +42 dBm Typical
- High Gain: 39 dB Typical
- Efficient Class AB Design
- Environmental Screening Available

Spectrum Microwave can also customize this amplifier to your unique requirements in a timely manner. Customization and delivering prototypes with demanding specifications is what separates Spectrum Microwave from other power amplifier vendors.

Specifications

<table>
<thead>
<tr>
<th>CHARACTERISTIC</th>
<th>TYPICAL</th>
<th>MIN/MAX</th>
</tr>
</thead>
<tbody>
<tr>
<td>Frequency</td>
<td>1930- 1990 MHz</td>
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</tr>
<tr>
<td>Gain (dB)</td>
<td>39</td>
<td>37 Min.</td>
</tr>
<tr>
<td>Power @ 1 dB</td>
<td>+42</td>
<td>+40 Min.</td>
</tr>
<tr>
<td>Reverse Isolation (dB)</td>
<td>53</td>
<td>48 Min.</td>
</tr>
<tr>
<td>VSWR</td>
<td>In 1.5:1 Out 1.5:1</td>
<td>In 2.0:1 Max.</td>
</tr>
<tr>
<td>Power Vdc m A</td>
<td>+28 +1600</td>
<td>+28 +1700 Max.</td>
</tr>
</tbody>
</table>

Note: Care should always be taken to effectively ground the case of each unit.

Maximum Ratings
- Ambient Operating Temperature ....................................-55 ºC to +125 ºC
- Storage Temperature ................................................-62 ºC to +150 ºC
- Case Temperature ...................................................+125 ºC
- DC Voltage .....................................................................+30 Volts
- Continuous RF Input Power ........................................ +13 dBm
- Short Term RF Input Power ......50 Milliwatts (1 Minute Max.)
- Maximum Peak Power .................... 0.5 Watt (3 μsec Max.)

Typical Performance Data

Legend ——— +25 ºC