B&Z TECHNOLOGIES
Innovation to Excel

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WIDEBAND AMPLIFIER, 0.5 - 26GHz

BZP526GC1A

Features

- Noise Figure ≤4.8 dB Measured
- 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

Performance Graphs

<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></td>
<td>26</td>
</tr>
<tr>
<td>Noise Figure *</td>
<td></td>
<td>4.8</td>
<td>dB</td>
</tr>
<tr>
<td>Gain</td>
<td>24</td>
<td>25</td>
<td>-</td>
</tr>
<tr>
<td>Gain Flatness</td>
<td>-</td>
<td>±1.8</td>
<td>dB</td>
</tr>
<tr>
<td>P1dB Output Power**</td>
<td>10</td>
<td>11</td>
<td>-</td>
</tr>
<tr>
<td>Input VSWR</td>
<td>-</td>
<td>2.0:1</td>
<td>2.3:1</td>
</tr>
<tr>
<td>Output VSWR</td>
<td>-</td>
<td>2.0:1</td>
<td>2.3:1</td>
</tr>
<tr>
<td>Operating Temperature</td>
<td>-55</td>
<td></td>
<td>+85</td>
</tr>
</tbody>
</table>

***Voltage +14.5 - +15.5 V
Current - 160 - 175 mA

* Noise Source used for measurement: 0.1 - 18 GHz: HP346A, 18 - 26 GHz: HP346C
Uncertainty of N.F. (approx. 0.12 dB.) .10 db due to ENR of HP346C, .1 db due to Gain modulation of the amplifier:
Noise Figures increase below 500 MHz

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

Outline Drawing

Mounting Drawing

Drop In Module

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