50 Ohm 20dBm SMA-Female Power Amplifier From 9 to 11GHz Rated at Gain 22dB

### Features
- Design: Micropackaging
- Stainless Steel Connectors
- Output Power 20 dBm
- Low Gain Flatness
- RoHS and REACH Compliant
- Low Input VSWR

### Electrical Specifications
**Description** | **Minimun** | **Typical** | **Maximum** | **Units** | **Condition**
--- | --- | --- | --- | --- | ---
Freq. Range | 9 | | 11 | GHz | 
Small Signal Gain | 22 | | | dB | 
Gain Flatness | | ±1 | | dB | 
Noise figure | | - | | dB | Test Temp. : +25°C 
P-1dB Output Power | 20 | | | dBm | 
Psat Output Power | - | | | dBm | 
OIP3 | - | | | dBm | - 
Input VSWR | 2.0 | | | - | 
Output VSWR | - | | | - | 
Reverse Isolation | - | | | dB | 
Spurious | - | | | dBc | 
Switching Time | - | | | us | 10% (90%) TTL to 50% RF 
DC Voltage | | +12 | | Volts | 
DC Current | 200 | | | mA | 
TTL High | | | | V | 
TTL Low | | | | V | 
Operating Temp. | -55 | | +85 | °C | Relative Humidity 5 to 95%

# : Electronic Specification Note: Values at 25deg, sea level. Test indicators will deteriorate at high and low temperature;
#1: ESD sensitive material, Transport material in approved ESD bags. Handle only in approved ESD workstation.
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**Mechanical Specifications**

<table>
<thead>
<tr>
<th>Description</th>
<th>Specification</th>
<th>Note</th>
</tr>
</thead>
<tbody>
<tr>
<td>Cavity Material</td>
<td>Aluminum</td>
<td></td>
</tr>
<tr>
<td>ESD</td>
<td>ESD Sensitive Material</td>
<td></td>
</tr>
<tr>
<td>Dimension L<em>W</em>H</td>
<td>34.4<em>16.8</em>8.1 mm</td>
<td></td>
</tr>
<tr>
<td>Input Connector</td>
<td>SMA-Female</td>
<td>Stainless Steel</td>
</tr>
<tr>
<td>Output Connectors</td>
<td>SMA-Female</td>
<td>Stainless Steel</td>
</tr>
<tr>
<td>Weight</td>
<td>20 g</td>
<td></td>
</tr>
<tr>
<td>Finishing</td>
<td>Self-colour Anodizing</td>
<td></td>
</tr>
<tr>
<td>Environment</td>
<td></td>
<td>Indoor</td>
</tr>
<tr>
<td>RoHS and REACH Compliant</td>
<td>✓</td>
<td></td>
</tr>
</tbody>
</table>

**Outline Drawing**

Dimensions are in mm [Inches]
Tolerances: Outline drawing: ±0.2 [0.008],
 Hole: ±0.2 [0.008]
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**Test Curve**

Test Freq. Range: 9 to 11 GHz
Test Temperature: +25°C
P/N: PA090110-G22P20_A

**9 to 11GHz Power Amplifier**

Gain, VSWR

Test Curve Graph

MARKER 3
11 GHz

COPY OUTPUT COMPLETED