R&K-LA1100-0S

**SPECIFICATIONS**

- **Broadband Frequency**: 5GHz ~ 10.5GHz
- **Noise Figure**: 2.2dB (typ.) / 3.2dB (max.)
- **Output Power**: +12dBm @6GHz
- **Small Signal Gain**: +31dB (typ.) @6GHz
- **Low Cost**
- **RoHS Compliance**

<table>
<thead>
<tr>
<th>Frequency Range</th>
<th>Noise Figure @+25℃</th>
<th>-20℃ to +60℃</th>
</tr>
</thead>
<tbody>
<tr>
<td>5GHz ~ 10.5GHz</td>
<td>2.2dB (typ.)</td>
<td>3.2dB (max.)</td>
</tr>
</tbody>
</table>

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<thead>
<tr>
<th>Small Signal Gain</th>
<th>Output Power @1dB Comp.</th>
<th>Output I.C.P.</th>
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</thead>
<tbody>
<tr>
<td>+31dB (typ.) @6GHz</td>
<td>+12dBm (min.) @6GHz</td>
<td>+24dBm (typ.) @6GHz</td>
</tr>
</tbody>
</table>

- **Gain Flatness**: ±0.2dB (max.)
- **Impedance**: 50Ω
- **Input Return Loss**: 10dB (typ.)
- **Output Return Loss**: 10dB (typ.)
- **DC Supply Input**: +12V ±0.5V
- **Maximum RF Input Power**: −10dBm
- **Operating Temperature**: −20℃ to +80℃
- **Storage Temperature**: −20℃ to +60℃
- **Connectors**: SMA-FEMALE
- **Weight**: 70g (typ.)

**HOW TO ORDER**

- **Model Name**: R&K-LA1100-0S
- **No Option**

**TYPICAL PERFORMANCE (Temp @+25℃)**

- **Noise Figure**
  - 40℃
  - 20℃
  - 30℃

- **Small Signal Gain & Gain Flatness**
  - Input & Output Return Loss

- **Output Power 1dB Comp. & 3dB Comp.**
  - Output 3rd Order Intercept Point

- **Output Power (dBm)**
  - 5GHz Power
  - 6GHz Power
  - 8GHz Power
  - 10GHz Power

- **DC+12V Current (mA)**

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