R&K-LA1070-0S

**OUTLINE DRAWING**

※IN MILLIMETERS

**TYPICAL PERFORMANCE (Temp @+25℃)**

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

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

- **Noise Figure**

<table>
<thead>
<tr>
<th>Frequency (GHz)</th>
<th>Power (dBm)</th>
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<tbody>
<tr>
<td>1</td>
<td>15</td>
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<tr>
<td>2</td>
<td>13</td>
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<td>3</td>
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**SCHEMATIC**

**HOW TO ORDER**

- **Model Name**: R&K-LA1070-0S
- **No Option**

**SPECIFICATIONS**

- **Broadband Frequency**: 30MHz ~ 4200MHz
- **Noise Figure**: 2dB (typ.) / 2.8dB (max.)
- **Output Power**: +18dBm @2GHz
- **Small Signal Gain**: +35dB (typ.) @2GHz
- **Low Cost**: RoHS Compliance

- **Frequency Range**: 30MHz ~ 4200MHz
- **Noise Figure @+25℃**: 2.0dB (typ.)
  - -20℃ to +60℃: 2.8dB (max.)
- **Small Signal Gain**: +35dB (typ.) @2GHz
  - +32dB (min.)
- **Gain Flatness**: ±1.5dB (max.)
- **Output Power@1dB Comp.**: +18dBm (min.) @2GHz
- **Output I.C.P.**: +33dBm (typ.) @2GHz
- **Impedance**: 50Ω
- **Input Return Loss**: 20dB (typ.)
- **Output Return Loss**: 15dB (typ.)
- **DC Supply Input**: ±12V ±0.5V
- **Maximum RF Input Power**: -10dBm
- **Operating Temperature**: -20℃ to +60℃
- **Storage Temperature**: -20℃ to +80℃
- **Connectors**: SMA-FEMALE
- **Weight**: 80g (typ.)

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