Ver.2.0 : 2022.01.19
R&K-AA350-0S

SPECIFICATIONS

- Broadband Frequency: 5.8GHz ~ 8.5GHz
- Output Power: +32dBm @ 7GHz
- Small Signal Gain: +28dB (typ.) @ 7GHz
- Low Cost
- RoHS Compliance

Frequency Range: 5.8GHz ~ 8.5GHz
Small Signal Gain: +28dB (typ.) @ 7GHz
Gain Flatness: ±2dB (max.)
Output Power@1dB Comp: +32dBm (min.) @ 7GHz
Output I.C.P: +41dBm (typ.) @ 7GHz
Noise Figure: 8dB (max.)

Note: Noise Figure is Design Value Guaranteed.

Impedance: 50Ω
Input Return Loss: 10dB (typ.)
Output return Loss: 12dB (typ.)
DC Supply Input: +6V ±0.2V
Maximum RF Input Power: +12dBm
Operating Temperature (@Base Plate Temp.): -20℃ to +60℃
Storage Temperature: -20℃ to +80℃
Connectors: SMA-Female
Weight: 80g (typ.)

TYPICAL PERFORMANCE (Temp @+25℃)

- Gain Flatness
- Input & Output Return Loss
- Output Power 1dB & 3dB Comp.
- Output 3rd Order Intercept Point
- Noise Figure
- Pulse Characteristics
- Input vs Output Linearity

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<th>Date</th>
<th>Version Number</th>
<th>Detailed contents of the change.</th>
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<tr>
<td>2022/01/19</td>
<td>2.0</td>
<td>Outline drawing change.</td>
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<td>Specifications change.</td>
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<td>- Broadband Frequency : 5.9GHz<del>8.5GHz ⇒ 5.8GHz</del>8.5GHz</td>
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<td>- Small Signal Gain : +27dB (typ.) @7.2GHz ⇒ +28dB (typ.) @7GHz</td>
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<td>- Broadband Frequency : +25dB (min.) ⇒ +26dB (min.)</td>
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<td>- Output Power : +32dBm (min.) @7.2GHz ⇒ +32dBm (min.) @7GHz</td>
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<td>- Output I.C.P. : +45dBm (typ.) ⇒ +41dBm (typ.) @7GHz</td>
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<td>- Noise Figure : 10dB (max.) ⇒ 8dB (max.)</td>
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<td>- Input VSWR : 1.5:1.0 (typ.) ⇒ Input Return Loss : 10dB (typ.)</td>
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<td>- Output VSWR : 1.5:1.0 (typ.) ⇒ Output Return Loss : 12dB (typ.)</td>
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<td>- DC Supply Input : +6V ±0.2V / 1650mA (max.) ⇒ +6V ±0.2V / 1800mA (max.)</td>
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<td>- Weight : 85g (typ.) ⇒ 80g (typ.)</td>
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