R&K-A009K101-5050R

Class A Linear Solid-State Amplifier
- Broadband Frequency: 9kHz ~ 100MHz
- Output Power: 100W (min.) @1dB Comp.

**SPECIFICATIONS @ +25°C**

- Frequency Range: 9kHz ~ 100MHz
- Small Signal Gain: +50.0dB (min.)
- Gain Flatness: ±1.5dB (max.)
- Output Power: 100W (min.) @1dB Comp.
- Operation Mode: Class A
- Output I.C.P.: +60.0dBm (typ.)
- Harmonics: −18.0dBc (max.) @Po=100W
- Spurious: −60.0dBc (max.) @Po=100W
- Impedance: 50Ω
- Input VSWR: 2.0 (max.)
- Output VSWR: 3.0 (max.)
- Maximum RF Input Power: +3.0dBm
- AC Supply Input: AC100V±10%/1φ, 50/60Hz, 800VA
- Operating Temperature: 0°C to +40°C
- Storage Temperature: −15°C to +65°C
- Connectors: RF - IN N - FEMALE
- RF - OUT N - FEMALE
- Size: (W)480mm×(D)559.5mm×(H)177mm
- Weight: 30.0kg (max.)
- Cooling: Forced Air Cooling
- Protection Circuits: Over Temperature Protection, Power Supply Voltage Protection, Output Over Power Protection, Output Over Reflection Power Protection

**TYPICAL PERFORMANCE (Temp @+25°C)**

<table>
<thead>
<tr>
<th>Frequency (MHz)</th>
<th>Gain Flatness [dB]</th>
<th>Input / Output VSWR</th>
<th>Output Power Linearity</th>
<th>Output Harmonics [dBc]</th>
</tr>
</thead>
<tbody>
<tr>
<td>9kHz</td>
<td>65</td>
<td>4.0</td>
<td></td>
<td></td>
</tr>
<tr>
<td>100MHz</td>
<td>60</td>
<td>3.5</td>
<td>55</td>
<td></td>
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</tbody>
</table>

**HOW TO ORDER**

Model Name: R&K-A009K101-5050R
No Option