**RF POWER AMPLIFIER**

**GA252M602-4040R**

**OUTLINE DRAWING**

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**TYPICAL PERFORMANCE (Temp @+25℃)**

<table>
<thead>
<tr>
<th>Frequency (MHz)</th>
<th>Small Signal Gain (dB)</th>
<th>Input / Output VSWR</th>
<th>Output Power Linearity</th>
</tr>
</thead>
<tbody>
<tr>
<td>1500</td>
<td>36</td>
<td></td>
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</tr>
<tr>
<td>2000</td>
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<tr>
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<tr>
<td>6000</td>
<td>46</td>
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</tr>
</tbody>
</table>

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**APPLICATION**

- EMC (Electromagnetic Compatibility)
- Accelerator Application
- Telecommunication Test and Measurement Application
- Etc...

**SPECIFICATIONS @ +25℃**

- **Output Power (CW)**: 10W (min.) @ 1dB Comp.
- **Small Signal Gain**: +40.0dB (min.)
- **Gain Flatness**: ±3.5dB (max.)
- **Output Power**: 10W (min.) @ 1dB Comp.
- **Operation Mode**: Class A
- **Output I.C.P.**: +45.0dBm (typ.)
- **Harmonics**: −20.0dBc (max.) @ Po = 10W
- **Spurious**: −60.0dBc (max.) @ Po = 10W
- **Impedance**: 50Ω
- **Input Return Loss**: 9.5dB (min.) / VSWR: 2.0 (max.)
- **Output Return Loss**: 9.5dB (min.) / VSWR: 2.0 (max.)
- **Maximum RF Input Power**: +3.0dBm
- **AC Supply Input**: AC90V ~ 240V / 1φ, 50 / 60Hz, 300VA
- **Operating Temperature**: 0℃ to +40℃
- **Storage Temperature**: −15℃ to +65℃
- **Connectors**: RF-IN SMA-FEMALE, RF-OUT SMA-FEMALE
- **Size**: (W)430mm × (D)450mm × (H)88mm (EIA: 2U)
- **Weight**: 12.5kg (typ.)
- **Cooling**: Forced Air Cooling
- **Other**: With Output Circulator
- **Protection Circuits**: Over Temperature Protection, Power Supply Voltage Protection

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**R&K Company Limited**

721-1 Maeda, Fuji City, Shizuoka Pref. 416-8577 Japan
Tel: +81-545-31-2800  E-mail: info@rkco.jp
Fax: +81-545-31-1800  URL: http://rk-microwave.com

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