**R&K-GA252M602-4444R**

**Ultra Wide Band Power Amplifier**
- **Broadband Frequency:** 2500MHz ~ 6000MHz
- **Output Power (CW):** 25W (min.) @ 3dB Comp.
- **With Output Circulator**

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

**SPECIFICATIONS @ +25℃**
- **Frequency Range:** 2500MHz ~ 6000MHz
- **Small Signal Gain:** +44.0dB (typ.), +43.0dB (min.)
- **Gain Flatness:** ±3.5dB (max.)
- **Output Power (CW):** 25W (min.) @ 3dB Comp. △2
- **20W (min.) @ 1dB Comp.** △2
- **Operation Mode:** Class A △2
- **Output I.C.P.:** +49.0dBm (typ.) △2
- **Harmonics:** −20.0dBc (max.) @Po=25W △2
- **Spurious:** −60.0dBc (max.) @Po=25W △2
- **Impedance:** 50Ω △2
- **Input Return Loss:** 9.5dB (min.) / VSFR: 2.0 (max.) △2
- **Output Return Loss:** 9.5dB (min.) / VSFR: 2.0 (max.) △2
- **Maximum RF Input Power:** +5.0dBm △1
- **Maximum RF Output Power:** +48.0dBm △2
- **AC Supply Input:** AC90V ~ 240V / 1φ, 50/60Hz, 500VA △5
- **Operating Temperature:** 0℃ to +40℃ △5
- **Storage Temperature:** −15℃ to +65℃ △5
- **Connectors:** RF-IN SMA-FEMALE, RF-OUT SMA-FEMALE △5
- **Size:** (W)430mm x (D)450mm x (H)88mm (EIA:2U) △5
  *Excluding Projection* △5
- **Weight:** 12.5kg (typ.) △4
- **Cooling:** Forced Air Cooling △4
- **Other:** With Output Circulator △4
- **Protection Circuits:** Over Temperature Protection, Power Supply Voltage Protection △4

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

**TYPICAL PERFORMANCE (Temp @+25℃)**

- **Small Signal Gain**
  - Frequency (MHz): 2000 ~ 6000
  - Gain (dB): 36 to 52

- **Input / Output VSWR**
  - Frequency (MHz): 2000 ~ 6000
  - VSWR:
    - Input / Output
      - 2.0 (max.)

- **Output Power 1dB & 3dB Gain Comp.**
  - Frequency (MHz): 2000 ~ 6000
  - Output Power (dBm):
    - 1dB Gain Comp.
    - 3dB Gain Comp.

- **Output Harmonics**
  - Frequency (MHz): 2000 ~ 6000
  - Output Harmonics (dBc):
    - 2nd
    - 3rd
    - 4th

- **Output Power Linearity**
  - Frequency (MHz): 2000 ~ 6000
  - Output Power (dBm):
    - 25W

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* CHANGE △1 13/Jun./2011 △2 06/Jan./2014 △4 28/Jan./2019 △5 16/Mar./2022