**RF POWER AMPLIFIER**

**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°C**

- **Frequency Range:** 2500MHz ~ 6000MHz
- **Small Signal Gain:** +44.0dB (typ.)
- **Gain Flatness:** ±3.5dB (max.)
- **Output Power (CW):** 25W (min.) @ 3dB Comp. 20W (min.) @ 1dB Comp.
- **Operation Mode:** Class A
- **Output I.C.P.:** +49.0dBm (typ.)
- **Harmonics:** -20.0dBc (max.) @ Po=25W
- **Spurious:** -60.0dBc (max.) @ Po=25W
- **Impedance:** 50Ω
- **Input VSWR:** 2.0 (max.)
- **Output VSWR:** 2.0 (max.)
- **Maximum RF Input Power:** +5.0dBm Δ1
- **Maximum RF Output Power:** +48.0dBm
- **AC Supply Input:** AC100V ~ 240V, 50/60Hz, 500VA
- **Operating Temperature:** 0°C to +40°C
- **Storage Temperature:** −15°C to +65°C
- **Connectors:** RF-IN SMA-FEMALE, RF-OUT SMA-FEMALE
- **Size:** (W)320mm × (D)350mm × (H)177mm (EIA: 4U)
- **Weight:** 12.5kg (typ.) Δ4
- **Cooling:** Forced Air Cooling
- **Other:** With Output Circulator
- **Protection Circuits:** Over Temperature Protection
  Power Supply Voltage Protection

**TYPICAL PERFORMANCE (Temp @ +25°C)**

- **Small Signal Gain & Gain Flatness**
- **Input / Output VSWR**
- **Output Power Linearity**
- **Output Harmonics**

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