**RF POWER AMPLIFIER**

**2020 Model**

**R&K-GA252M602-5353R**

- **Ultra Wide Band Power Amplifier**
- **Broadband Frequency**: 2500MHz ~ 6000MHz
- **Output Power (CW)**: 200W (min.) @1dB Comp.
- **Building-block Construction Design**

**APPLICATION**

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

**SPECIFICATIONS @ +25℃**

- **Frequency Range**: 2500MHz ~ 6000MHz
- **Small Signal Gain**: +53.0 dB (min.)
- **Gain Flatness**: ±2.5 dB (max.)
- **Output Power (CW)**: 200W (min.) @1dB Comp.
- **Operation Mode**: Class A
- **Harmonics**: –20.0 dBc (max.) @ Po=200W
- **Spurious**: –70.0 dBc (max.) @ Po=200W
- **Impedance**: 50Ω
- **Input Return Loss**: 9.5 dB (min.) / VSWR: 2.0 (max.)
- **Output Return Loss**: 6.0 dB (min.) / VSWR: 3.0 (max.)
- **Maximum RF Input Power**: +3dBm
- **AC Supply Input**: AC200V ±15%/1φ, 50/60Hz, 4.2kVA
- **Operating Temperature**: 0℃ to +35℃
- **Storage Temperature**: –15℃ to +65℃
- **Connectors**: RF - IN: N- FEMALE @ REAR PANEL
- **Size (Standard)**: (W)560mm × (D)1000mm × (H)838mm (EIA: 14U)
- **Weight**: 195.0 kg (max.)
- **Cooling**: Forced Air Cooling
- **Protection Circuits**: Over Temperature Protection
- **Power Supply Voltage Protection**: Output Over Power Protection (@220W)
- **Output Over Reflected Power Protection (@120W)**
- **Other Function**: [Standard] GPIB (IEEE-488)
- **[Optional] Ethernet, RS-232C**

**RF - OUT**: 7/16-FEMALE @ REAR PANEL

- **RF - IN**: N-FEMALE @ REAR PANEL

**TYPICAL PERFORMANCE (Temp @+25℃)**

- **Small Signal Gain**
  - Frequency (MHz)
  - Gain (dB)

- **Input / Output VSWR**
  - Frequency (MHz)
  - VSWR

- **Output Power Linearity**
  - Frequency (MHz)
  - Output Power (dBm)

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