**2020 Model**

**R&K-GA252M602-5050R**

- **Ultra Wide Band Power Amplifier**
- **Broadband Frequency**: 2500MHz ~ 6000MHz
- **Output Power (CW)**: 100W (min.) @1dB Comp.
- **Building-block Construction Design**

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

**SPECIFICATIONS** @ +25°C

**Frequency Range**: 2500MHz ~ 6000MHz
- **Small Signal Gain**: +50.0dB (min.)
- **Gain Flateness**: ±2.5dB (max.)
- **Output Power (CW)**: 100W (min.) @1dB Comp.
- **Operation Mode**: Class A
- **Harmonics**:
  - 20.0dBc (max.) @Po=100W
  - 70.0dBc (max.) @Po=100W
- **Impedance**: 50Ω
- **Input Return Loss**: 9.5dB (min.) / VSWR: 2.0 (max.)
- **Output Return Loss**: 6.0dB (min.) / VSWR: 3.0 (max.)
- **Maximum RF Input Power**: +3dBm
- **AC Supply Input**: AC200V ±15% / 1Φ, 50/60Hz, 2.5kVA
- **Operating Temperature**: 0°C to +35°C
- **Storage Temperature**: -15°C to +65°C
- **Connectors**:
  - RF - IN: N - FEMALE @REAR PANEL
  - RF - OUT: N - FEMALE @REAR PANEL
- **Size (Standard)**: (W)560mm×(D)1000mm×(H)838mm (EIA:14U)
  - *Excluding Projection*
- **Weight**: 155.0kg (max.)
- **Cooling**: Forced Air Cooling
- **Protection Circuits**:
  - Over Temperature Protection
  - Power Supply Voltage Protection
  - Output Over Power Protection (@110W)
  - Output Over Reflected Power Protection (@60W)
- **Remote Interface**:
  - [Standard] GPIB (IEEE-488)
  - [Optional] Ethernet, RS-232C
- **Other Function**:
  - Safety Interlock (EMERGENCY)

**TYPICAL PERFORMANCE** (Temp @+25°C)

**Small Signal Gain**

**Input / Output VSWR**

**Output Power Linearity**

**Output Power 1dB Gain Comp.**

**Output Harmonics**

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