

# RF POWER AMPLIFIER



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

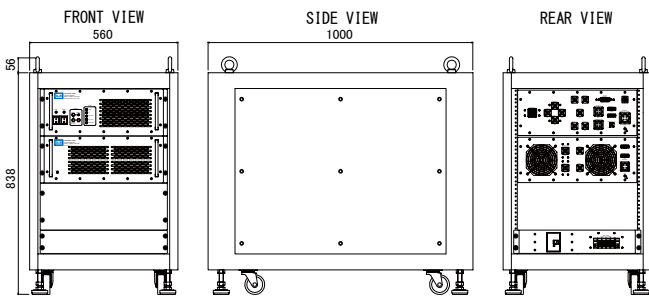
- EMC (Electromagnetic Compatibility)
- Accelerator Application
- Telecommunication Test and Measurement Application
- Etc...

### SPECIFICATIONS @ +25°C

Frequency Range	: 2500MHz ~ 6000MHz
Small Signal Gain	: +50.0dB (min.)
Gain Flatness	: ±2.5dB (max.)
Output Power (CW)	: 100W (min.) @1dB Comp.
Operation Mode	: Class A
Harmonics	: -20.0dBc (max.) @Po=100W
Spurious	: -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)

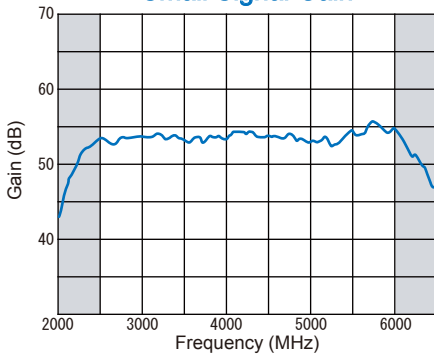
### OUTLINE DRAWING

※ IN MILLIMETERS

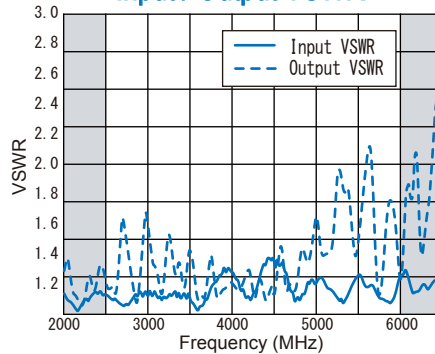


### TYPICAL PERFORMANCE (Temp @ +25°C)

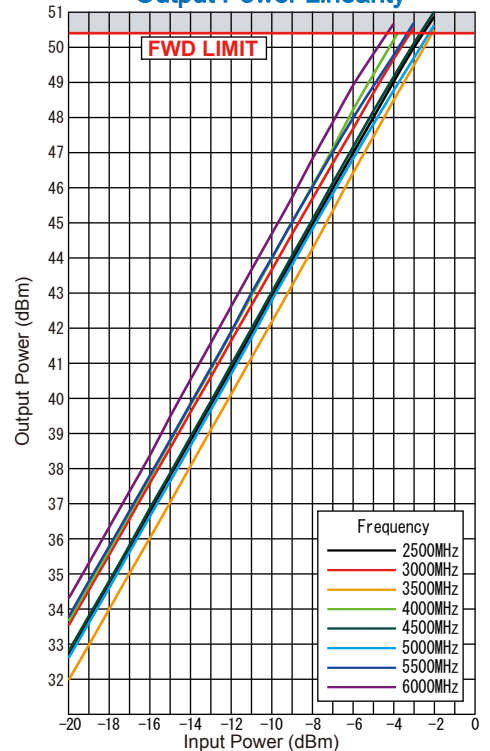
Small Signal Gain



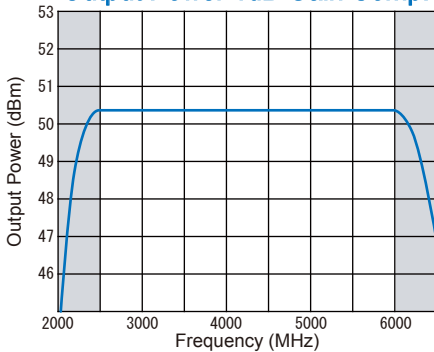
Input / Output VSWR



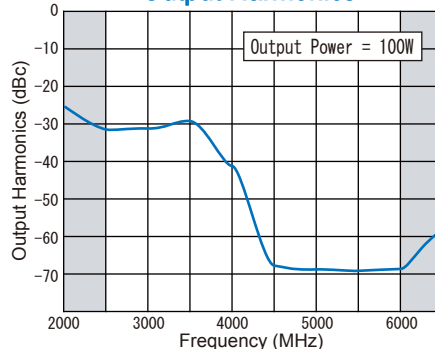
Output Power Linearity



Output Power 1dB Gain Comp.



Output Harmonics



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