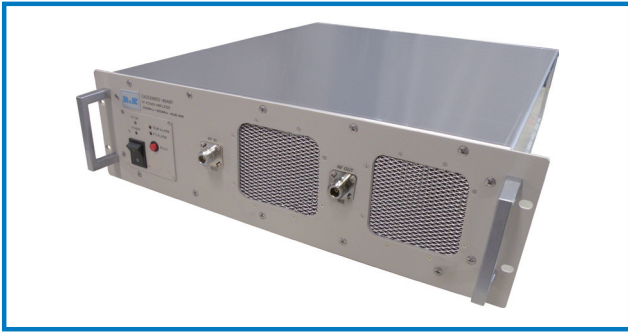


# RF POWER AMPLIFIER



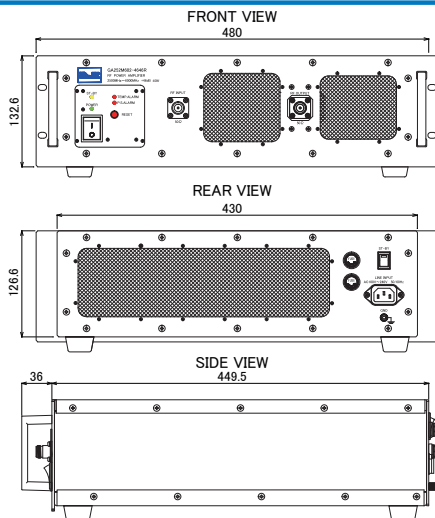
2018 Model

## R&K-GA252M602-4646R



### OUTLINE DRAWING

※IN MILLIMETERS



- Ultra Wide Band Power Amplifier
- Broadband Frequency: 2500MHz~6000MHz
- Output Power (CW) : 40W (min.) @1dB Comp.
- With Output Circulator

### APPLICATION

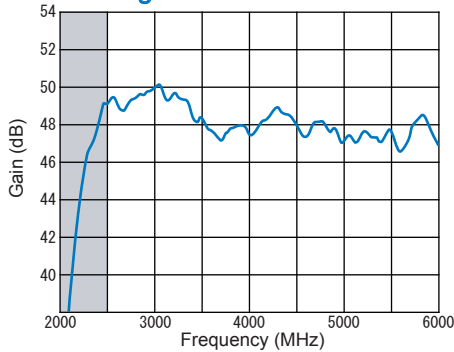
- EMC (Electromagnetic Compatibility)
- Accelerator Application
- Telecommunication Test and Measurement Application
- Etc...

### SPECIFICATIONS @ +25°C

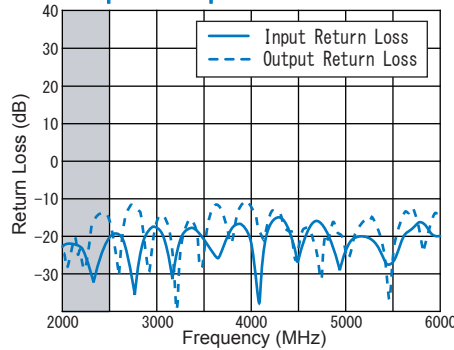
Frequency Range	: 2500MHz ~ 6000MHz
Small Signal Gain	: +46.0dB (min.)
Gain Flatness	: ±2.5dB (max.)
Output Power (CW)	: 40W (min.) @1dB Comp.
	: 50W (typ.) @1dB Comp.
Harmonics	: -20.0dBc (max.) @Po=40W
Spurious	: -70.0dBc (max.) @Po=40W
Impedance	: 50Ω
Input Return Loss	: 9.5dB (min.) / VSWR : 2.0 (max.)
Output Return Loss	: 9.5dB (min.) / VSWR : 2.0 (max.)
Maximum RF Input Power	: +3.0dBm
AC Supply Input	: AC100V~240V / 1φ, 50/60Hz, 700VA
Operating Temperature	: 0°C to +40°C
Storage Temperature	: -15°C to +65°C
Connectors	: RF-IN N-FEMALE RF-OUT N-FEMALE
Size	: (W)480mm×(D)449.5mm×(H)132.6mm(EIA:3U)
Weight	: 20.0kg (max.)
Cooling	: Forced Air Cooling
Protection Circuits	: Over Temperature Protection Power Supply Voltage Protection
Other Function	: With Output Circulator

### TYPICAL PERFORMANCE (Temp @+25°C)

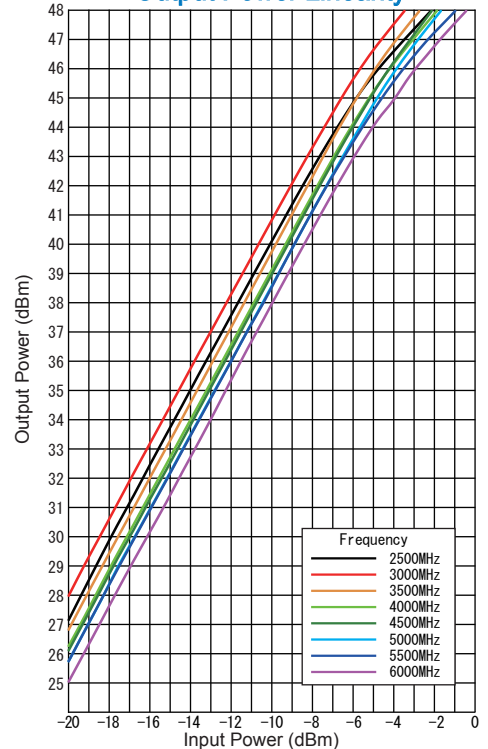
Small Signal Gain & Gain Flatness



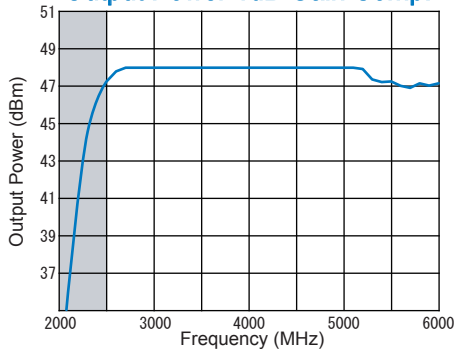
Input / Output Return Loss



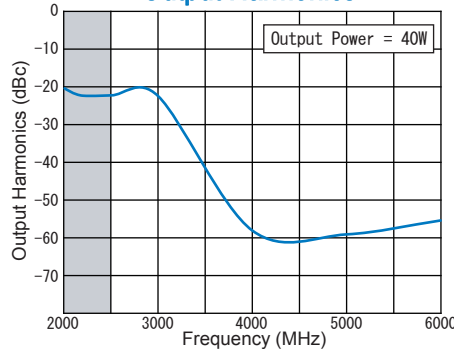
Output Power Linearity



Output Power 1dB Gain Comp.



Output Harmonics



R&K reserves the right to make changes in the specifications of or discontinue products at any time without notice. R&K products shall not be used for or in connection with equipment that requires an extremely high level of reliability and safety such as aerospace uses or medical life support equipment. Further, The export of R&K products from Japan may be subject to an export license by the government of Japan, based on Japan's "Foreign Exchange and Foreign Trade Law".

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