

RF POWER AMPLIFIER

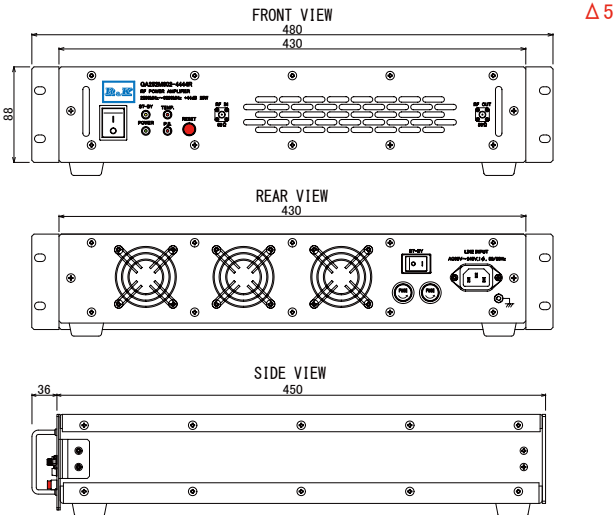


R&K-GA252M602-4444R



OUTLINE DRAWING

※IN MILLIMETERS



- Ultra Wide Band Power Amplifier
- Broadband Frequency: 2500MHz ~ 6000MHz
- Output Power (CW) : 25W (min.) @3dB Comp.
- With Output Circulator

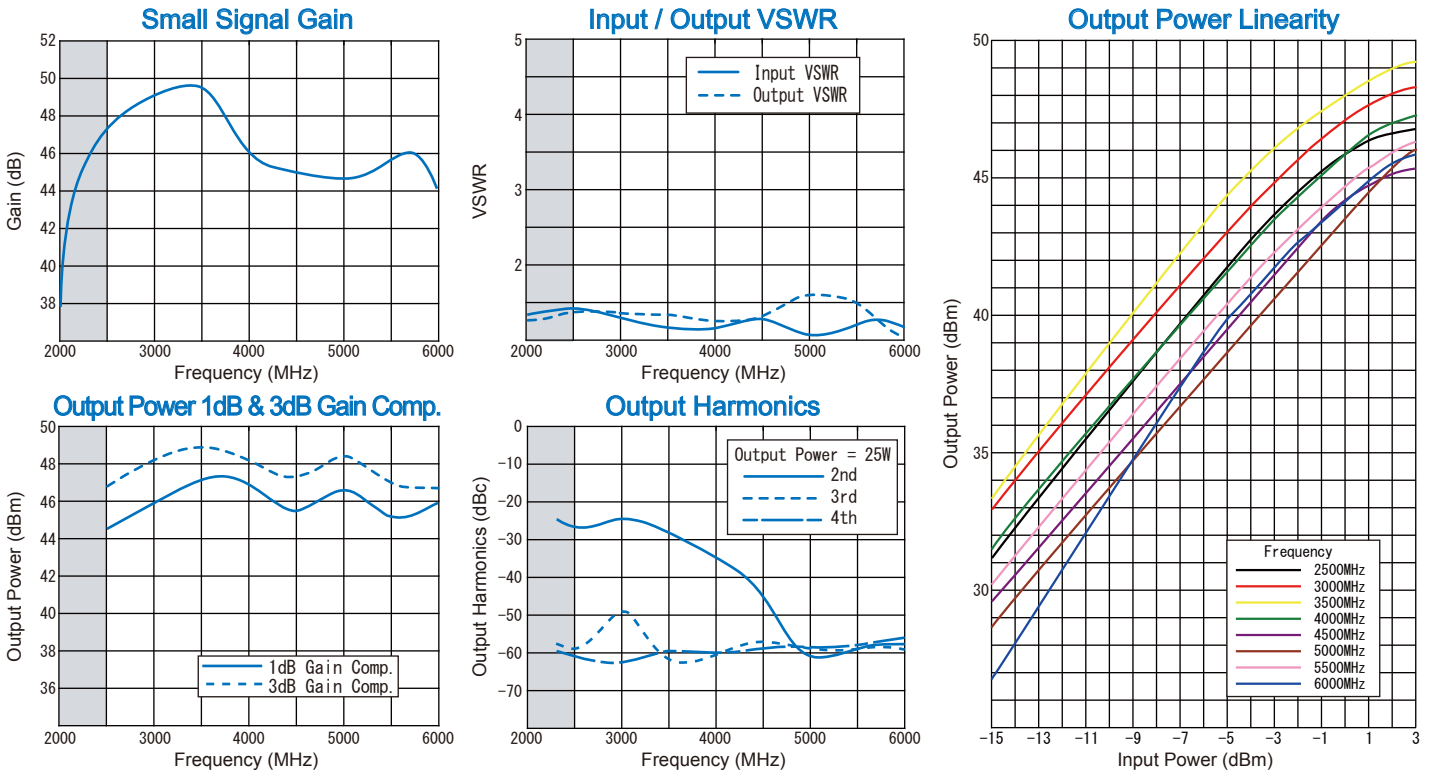
APPLICATION

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

SPECIFICATIONS @ +25°C

Frequency Range	: 2500MHz ~ 6000MHz
Small Signal Gain	: +44.0dB (typ.) , +43.0dB (min.)
Gain Flatness	: ±3.5dB (max.)
Output Power (CW)	: 25W (min.) @3dB Comp. $\Delta 2$ 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 Return Loss	: 9.5dB (min.) / VSWR : 2.0 (max.)
Output Return Loss	: 9.5dB (min.) / VSWR : 2.0 (max.)
Maximum RF Input Power	: +5.0dBm $\Delta 1$
Maximum RF Output Power:	+48.0dBm
AC Supply Input	: AC90V~240V / 1φ, 50/60Hz, 500VA $\Delta 5$
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)430mm×(D)450mm×(H)88mm(EIA:2U) $\Delta 5$ *Excluding Projection
Weight	: 12.5kg (typ.) $\Delta 4$
Cooling	: Forced Air Cooling
Other	: With Output Circulator
Protection Circuits	: Over Temperature Protection Power Supply Voltage Protection

TYPICAL PERFORMANCE (Temp @+25°C)



* CHANGE $\Delta 1$ 13/Jun./2011 $\Delta 2$ 06/Jan./2014 $\Delta 4$ 28/Jan./2019 $\Delta 5$ 16/Mar./2022

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