

## R&K-GA801M402-5959R



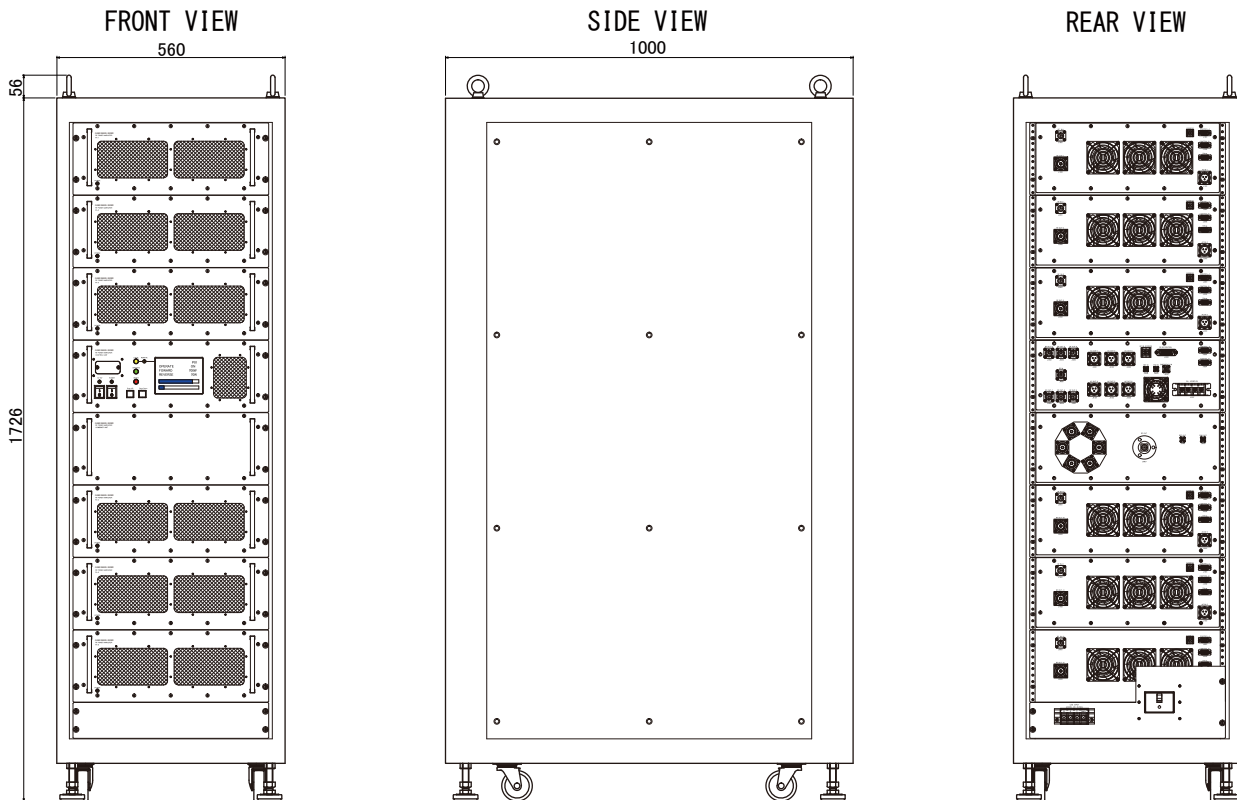
- All Solid-State Amplifier
- Broadband Frequency: 800MHz~4000MHz
- Output Power (CW) : 800W (min.) @3dB Comp.

### APPLICATION

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

### OUTLINE DRAWING

※IN MILLIMETERS



\* CHANGE Δ1 12/Feb./2020

### SPECIFICATIONS @ +25°C

Frequency Range	: 800MHz ~ 4000MHz
Small Signal Gain	: +59.0dB (min.)
Gain Flatness	: ±2.5dB (max.)
Output Power (CW)	: 800W (min.) @3dB Comp.
	: 750W (typ.), 700W (min.) @1dB Comp. Δ1
Operation Mode	: Class A
Harmonics	: -20.0dBc (max.) @Po=700W Δ1
Spurious	: -60.0dBc (max.) @Po=700W
Impedance	: 50 Ω
Input Return Loss	: 9.5dB (min.) / VSWR : 2.0 (max.)
Output Return Loss	: 6.0dB (min.) / VSWR : 3.0 (max.)
Maximum RF Input Power:	+3.0dBm
AC Supply Input	: AC200V±15%/3φ *Delta Connection, 50/60Hz, 9.5kVA Δ1
Operating Temperature	: 0°C to +35°C
Storage Temperature	: -15°C to +65°C
Connectors	: RF-IN N-FEMALE @REAR PANEL RF-OUT 7/8" Flange @REAR PANEL
Size (Standard)	: (W)560mm×(D)1000mm×(H)1726mm(EIA:34U) *Excluding Projection
Weight	: 360.0kg (typ.) Δ1
Cooling	: Forced Air Cooling
Protection Circuits	: Over Temperature Protection Power Supply Voltage Protection Output Over Power Protection(@840W) Output Over Reflected Power Protection(@420W)
Remote Interface	: [Standard] GPIB (IEEE-488) [Optional] Ethernet, RS-232C
Other Functions	: R&K Multi Monitoring System Safety Interlock(EMERGENCY)

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".

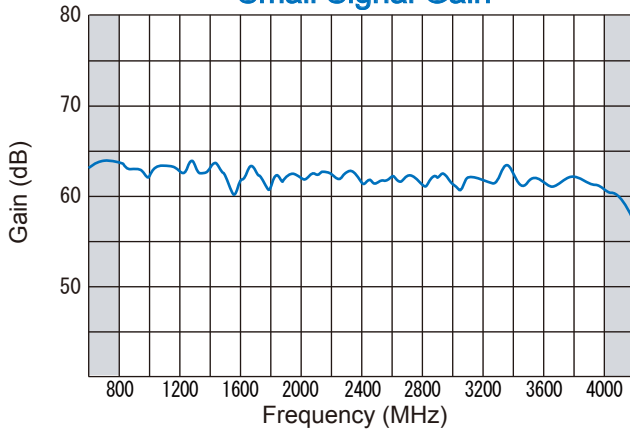
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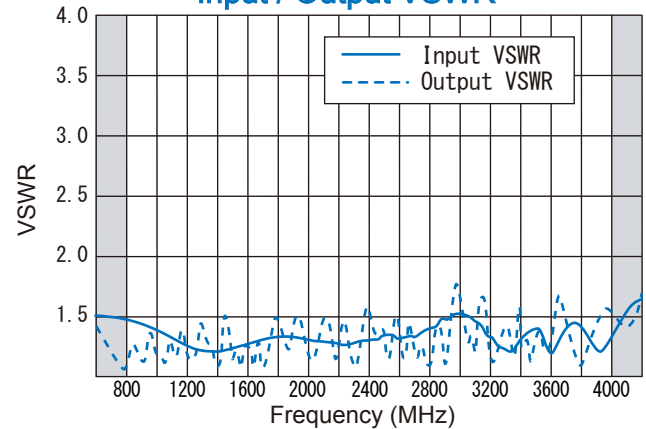
## TYPICAL PERFORMANCE (Temp @+25°C)

R&K-GA801M402-5959R

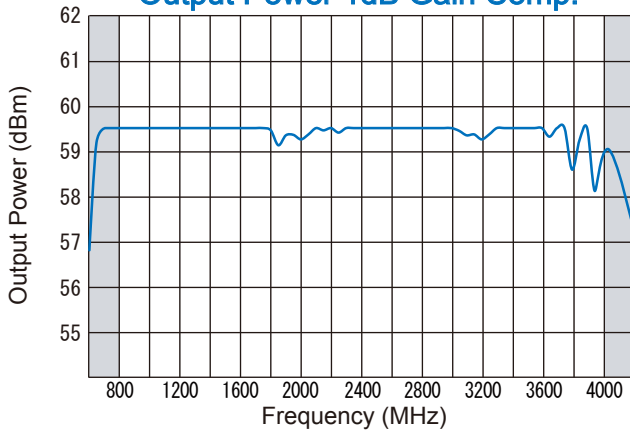
### Small Signal Gain



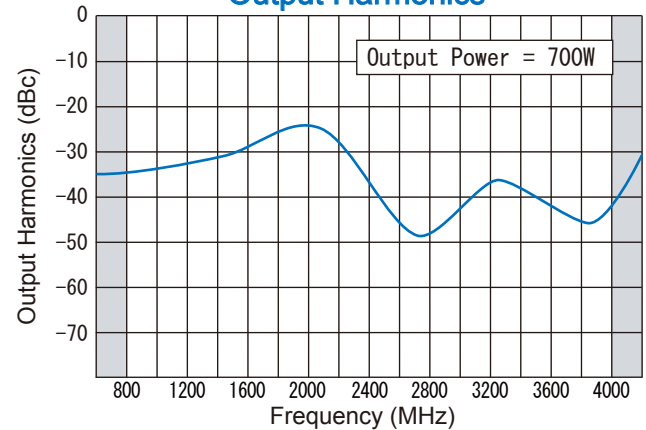
### Input / Output VSWR



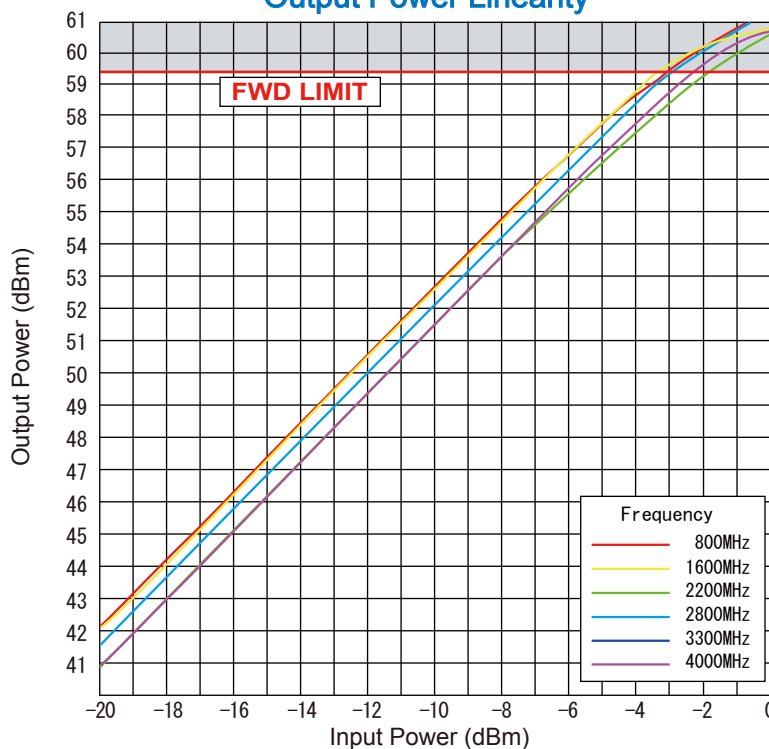
### Output Power 1dB Gain Comp.



### Output Harmonics



### Output Power Linearity



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