

# RF POWER AMPLIFIER

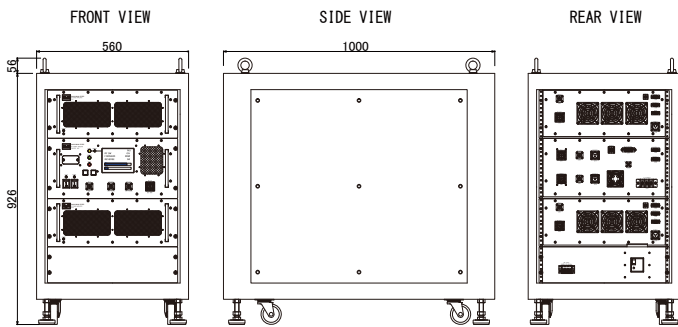


## R&K-GA801M402-5555R



### OUTLINE DRAWING

※IN MILLIMETERS



- All Solid-State Amplifier
- Broadband Frequency: 800MHz ~ 4000MHz
- Output Power (CW) : 350W (min.) @3dB Comp.  $\Delta 1$

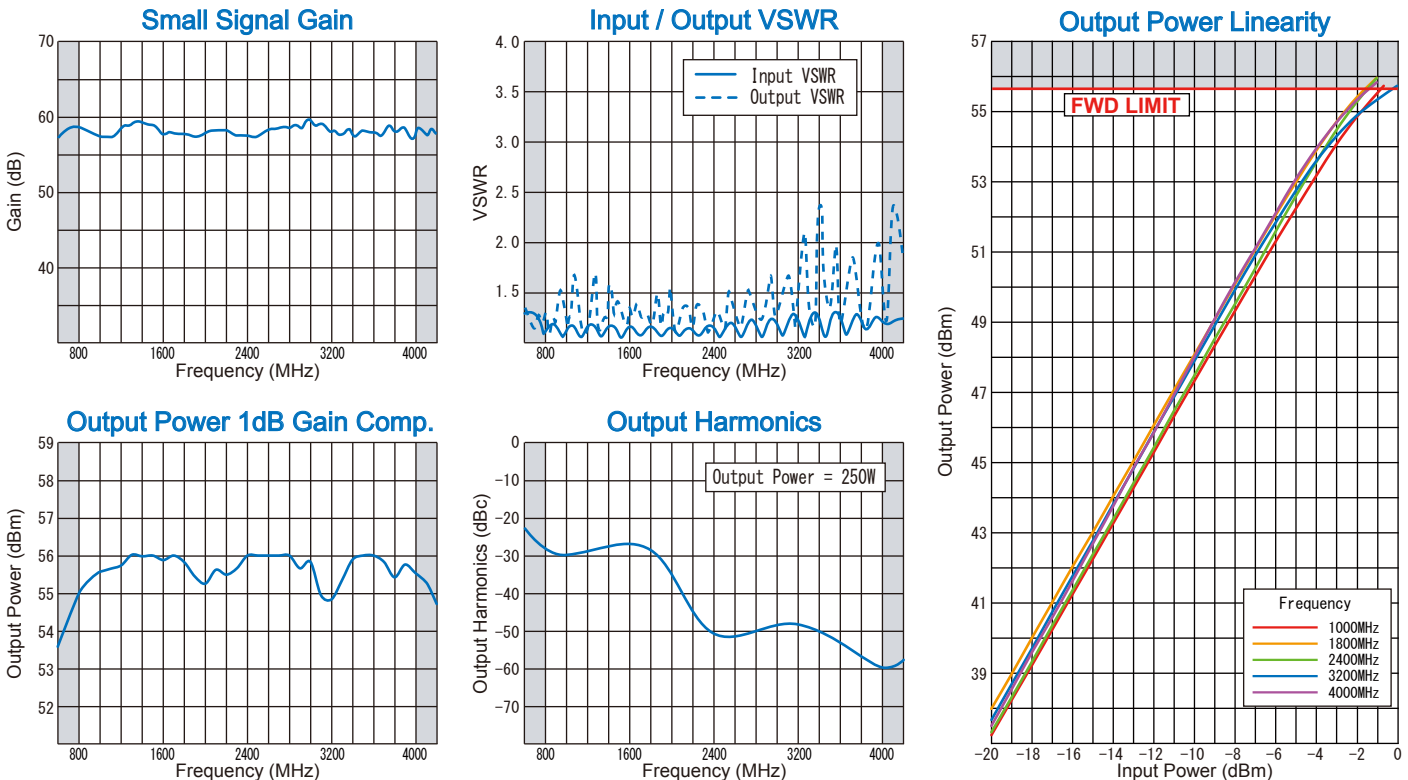
### APPLICATION

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

### SPECIFICATIONS @ +25°C

Frequency Range	: 800MHz ~ 4000MHz
Small Signal Gain	: +55.0dB (min.)
Gain Flatness	: $\pm 2.0$ dB (max.)
Output Power (CW)	: 350W (min.) @3dB Comp. $\Delta 1$
	: 300W (typ.), 250W (min.) @1dB Comp. $\Delta 1$
Operation Mode	: Class A
Harmonics	: -20.0dBc (max.) @Po=250W $\Delta 1$
Spurious	: -70.0dBc (max.) @Po=250W $\Delta 1$
Impedance	: 50 $\Omega$
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 $\pm 15\%$ / 1 $\phi$ , 50/60Hz, 4kVA
Operating Temperature	: 0°C to +35°C
Storage Temperature	: -15°C to +65°C
Connectors	: RF - IN N - FEMALE RF - OUT 7/16" - FEMALE
Size (Standard)	: (W)560mm $\times$ (D)1000mm $\times$ (H)926mm (EIA: 16U) *Excluding Projection
Weight	: 170.0kg (typ.) $\Delta 1$
Cooling	: Forced Air Cooling
Protection Circuits	: Over Temperature Protection Power Supply Voltage Protection Output Over Power Protection (@367.5W) Output Over Reflected Power Protection (@150W)
Remote Interface	: [Standard] GPIB (IEEE-488) [Optional] Ethernet, RS-232C
Other Functions	: R&K Multi Monitoring System Safety Interlock (EMERGENCY)

### TYPICAL PERFORMANCE (Temp @+25°C)



\* CHANGE  $\Delta 1$  12/Feb./2020

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