

RF POWER AMPLIFIER



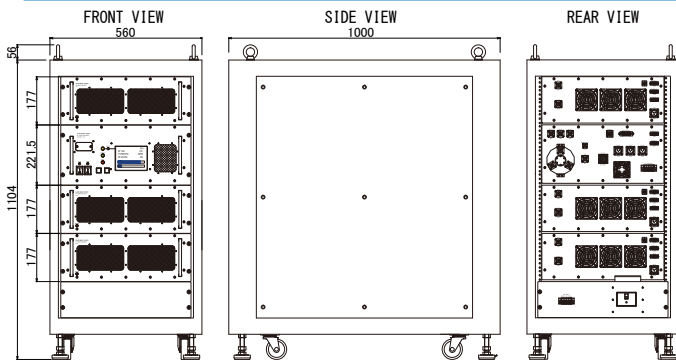
2020 Model

R&K-GA801M402-5757R



OUTLINE DRAWING

※IN MILLIMETERS



TYPICAL PERFORMANCE (Temp @+25°C)

- All Solid-State Amplifier
- Broadband Frequency: 800MHz ~ 4000MHz
- Output Power (CW) : 550W (min.) @3dB Comp.

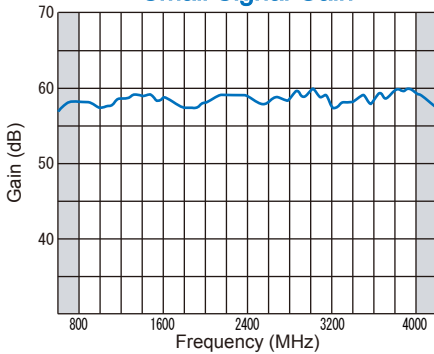
APPLICATION

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

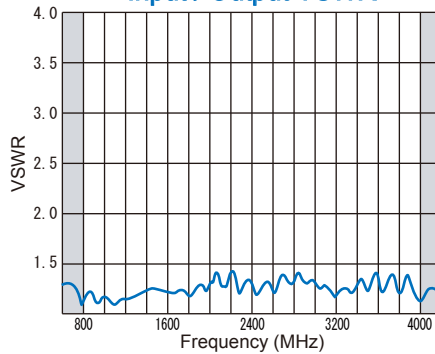
SPECIFICATIONS @ +25°C

Frequency Range	: 800MHz ~ 4000MHz
Small Signal Gain	: +57.0dB (min.)
Gain Flatness	: ±2.5dB (max.)
Output Power (CW)	: 550W (min.) @3dB Comp.
	: 500W (typ.), 450W (min.) @1dB Comp.
Operation Mode	: Class A
Harmonics	: -20.0dBc (max.) @Po=450W
Spurious	: -70.0dBc (max.) @Po=450W
Impedance	: 50Ω
Input Return Loss	: 9.5dB (min.) / VSWR : 2.0 (max.)
Maximum RF Input Power	: +3.0dBm
AC Supply Input	: AC200V ± 15% / 3φ *Delta Connection, 50/60Hz, 6kVA
Operating Temperature	: 0°C to +35°C
Storage Temperature	: -15°C to +55°C
Connectors	: RF - IN N - FEMALE @REAR PANEL RF - OUT 7/16" - FEMALE @REAR PANEL
Size (Standard)	: (W)560mm×(D)1000mm×(H)1104mm(EIA:20U) *Excluding Projection
Weight	: 230kg (typ.)
Cooling	: Forced Air Cooling
Protection Circuits	: Over Temperature Protection Power Supply Voltage Protection Output Over Power Protection (@577.5W) Output Over Reflected Power Protection (@270W)
Remote Interface	: [Standard] GPIB (IEEE-488) [Optional] Ethernet, RS-232C
Other Functions	: R&K Multi Monitoring System Safety Interlock (EMERGENCY)

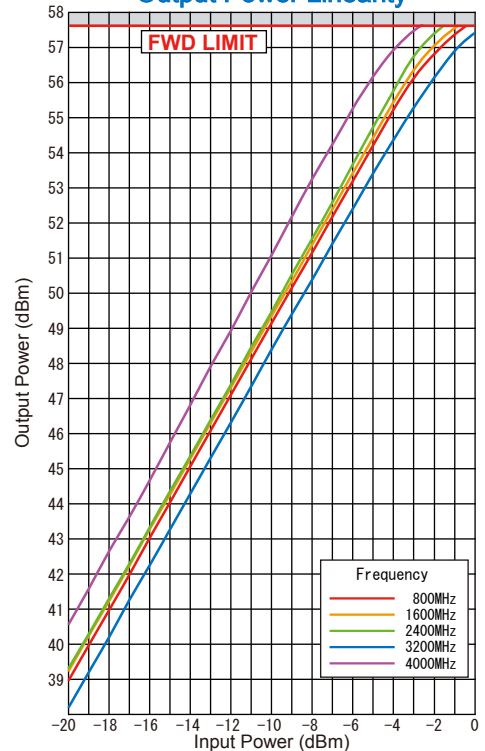
Small Signal Gain



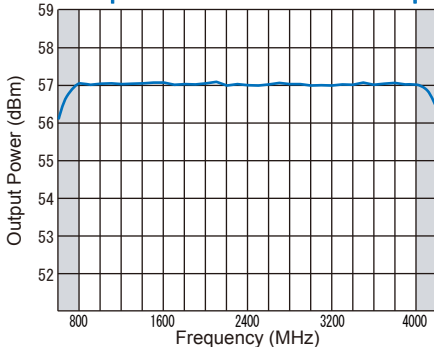
Input / Output VSWR



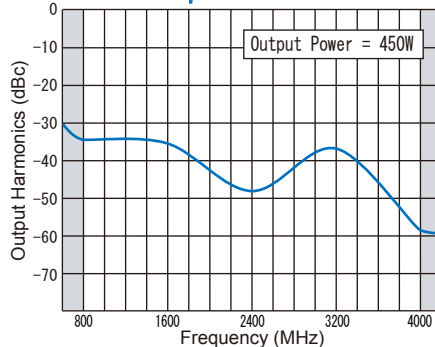
Output Power Linearity



Output Power 1dB Gain Comp.



Output Harmonics



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