

RF POWER AMPLIFIER



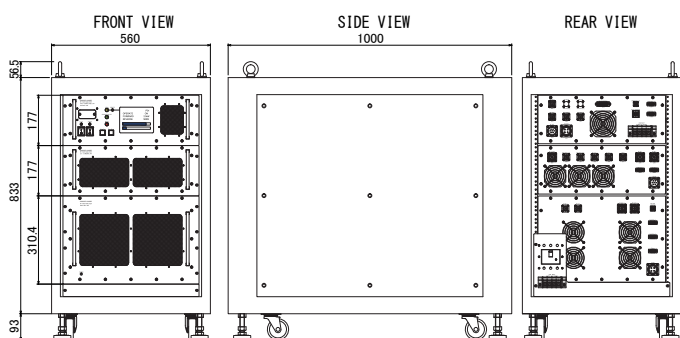
2017 Model

R&K-A010K251-6464R



OUTLINE DRAWING

※IN MILLIMETERS



- All Solid-State Amplifier
- Broadband Frequency: 10kHz~250MHz
- Output Power: 2.5kW @P_{sat}.

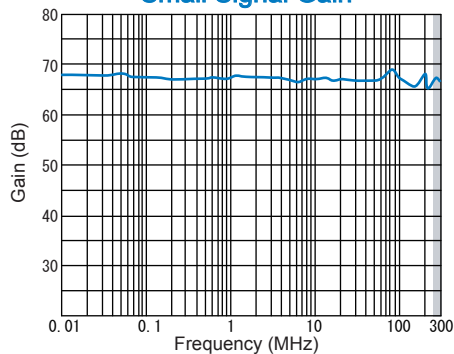
APPLICATION

- EMC(Electromagnetic Compatibility)
- Etc...

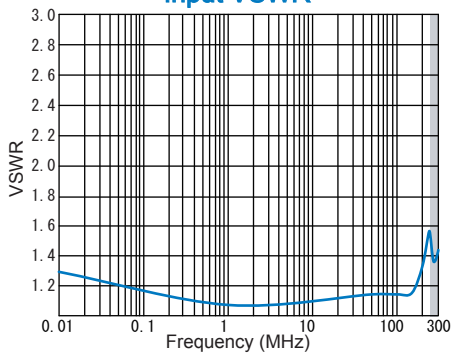
SPECIFICATIONS @ +25°C

Frequency Range	: 10kHz ~ 250MHz
Small Signal Gain	: +64.0dB (min.)
Gain Flatness	: ±2.0dB (max.)
Output Power @P _{sat} .	: 2.5kW (min.) @ 10kHz ~ 100MHz : 2.5kW~1.9kW (min.) @100MHz~250MHz
@1dB Comp.:	: 2.0kW (min.) @ 10kHz ~ 100MHz : 2.0kW~1.2kW (min.) @100MHz~250MHz
	*Derating slope of 4W/MHz *Derating slope of 5.33W/MHz
Harmonics	: -20.0dBc (max.) @P _o =1.8kW
Spurious	: -70.0dBc (max.) @P _o =1.8kW
Impedance	: 50Ω
Input VSWR	: 2.0 (max.)
Maximum RF Input Power	: +1.0dBm
AC Supply Input	: AC200V±15%/3φ, 50/60Hz, 14kVA
Operating Temperature	: 0°C to +35°C
Storage Temperature	: -15°C to +65°C
Connectors	: RF - IN N - FEMALE @REAR PANEL RF - OUT 7/16" - FEMALE @REAR PANEL
Size	Without Rack : (W)450mm×(D) 850mm×(H)664.4mm(EIA: 15U) Rack Mounting : (W)560mm×(D)1000mm×(H)926mm
	*Excluding Projection
Weight	Without Rack : 135kg (typ.) Rack Mounting : 225kg (typ.)
Cooling	: Forced Air Cooling
Protection Circuits	: Over Temperature Protection Power Supply Voltage Protection Output Over Power Protection Output Over Reflection Power Protection
Other Functions	: R&K Multi Monitoring System GP-IB Safety Interlock(EMERGENCY)

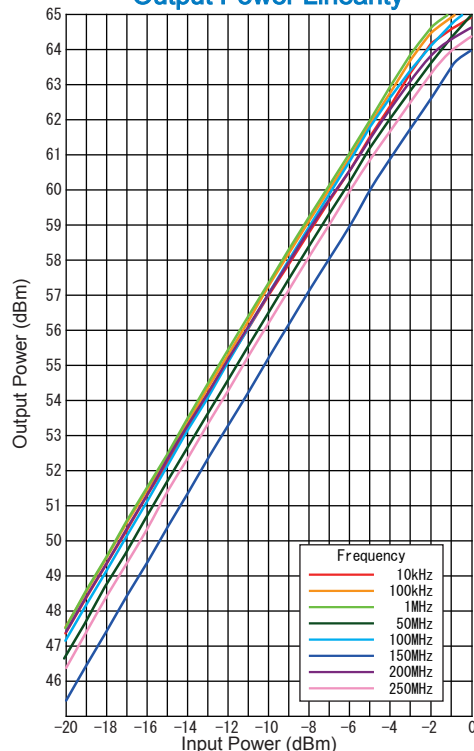
Small Signal Gain



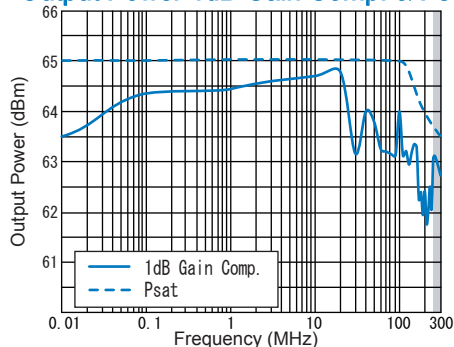
Input VSWR



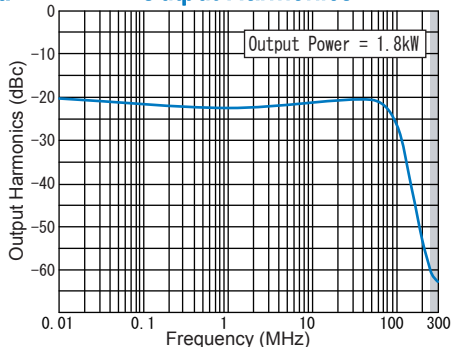
Output Power Linearity



Output Power 1dB Gain Comp. & P_{sat}.



Output Harmonics



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