

RF POWER AMPLIFIER

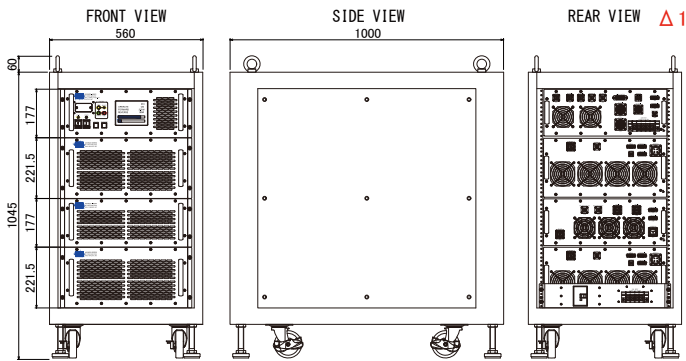


R&K-A010K221-6464R



OUTLINE DRAWING

※IN MILLIMETERS



TYPICAL PERFORMANCE (Temp @+25°C)

- Class A Linear Solid-State Amplifier
- Broadband Frequency: 10kHz~225MHz
- Output Power (CW) : 2.5kW @Psat.

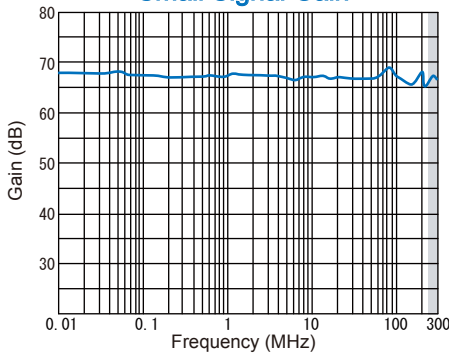
APPLICATION

- EMC(Electromagnetic Compatibility)
- Etc...

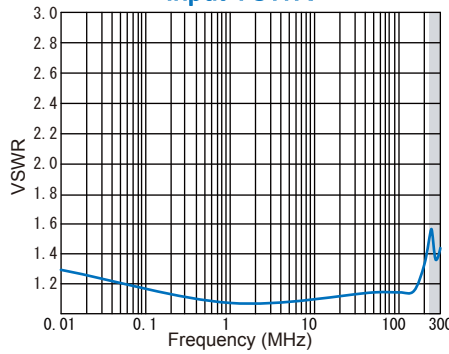
SPECIFICATIONS @ +25°C

Frequency Range	: 10kHz ~ 225MHz
Small Signal Gain	: +64.0dB (min.)
Gain Flatness	: ±2.0dB (max.)
Output Power @Psat.	: 2.5kW (min.) @ 10kHz ~ 100MHz : 2.5kW~2.0kW (min.) @ 100MHz~225MHz
	*Derating slope of 4W/MHz
@1dB Comp.	: 2.0kW (min.) @ 10kHz ~ 100MHz : 2.0kW~1.2kW (min.) @ 100MHz~225MHz
	*Derating slope of 6.4W/MHz
Operation Mode	: Class A
Harmonics	: -20.0dBc (max.) @Po=1750W
Spurious	: -70.0dBc (max.) @Po=1750W
Impedance	: 50Ω
Input Return Loss	: 9.5dB (min.) / VSWR : 2.0 (max.)
Maximum RF Input Power	: +1.0dBm
AC Supply Input	: AC200V±10%/3φ *Delta Connection, 50/60Hz, 12.5kVA(max.)
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)797mm(EIA:18U) Rack Mounting : (W)560mm×(D)1000mm×(H)1045mm
	*Excluding Projection
Weight	Without Rack : 160kg (typ.) Rack Mounting : 250kg (typ.)
Cooling	: Forced Air Cooling
Protection Circuits	: Over Temperature Protection Power Supply Voltage Protection Output Over Power Protection(@2.75kW) Output Over Reflected Power Protection(@1.2kW)
Remote Interface	: [Standard] GPIB (IEEE-488) [Optional] Ethernet, RS-232C
Other Functions	: R&K Multi Monitoring System Safety Interlock(EMERGENCY)

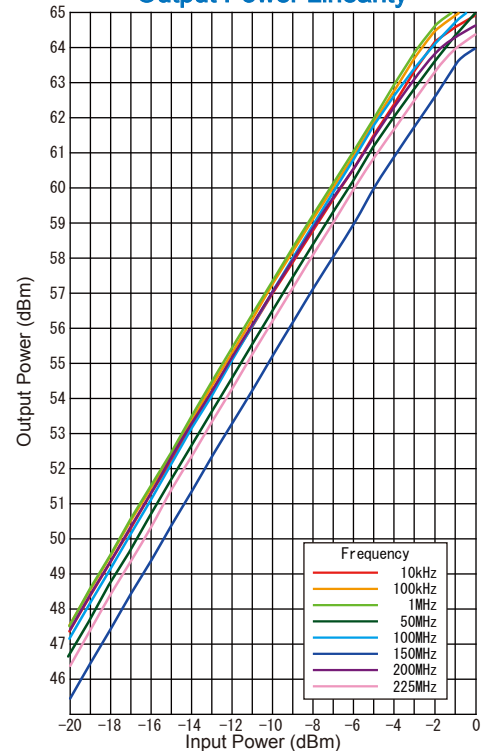
Small Signal Gain



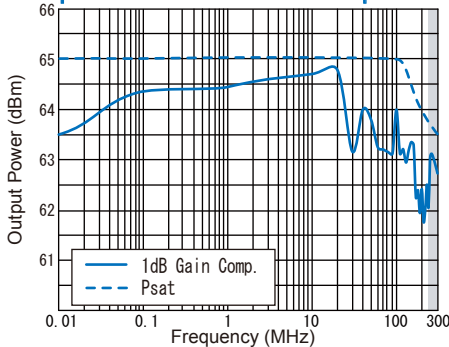
Input VSWR



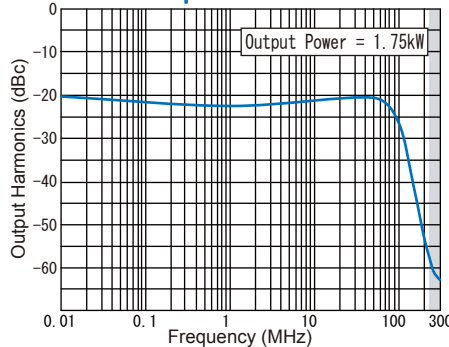
Output Power Linearity



Output Power 1dB Gain Comp. & Psat.



Output Harmonics



* CHANGE Δ1 8/Dec./2020

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R&K Company Limited

721-1 Maeda, Fuji-City, Shizuoka-Pref. 416-8577 Japan
Tel : +81-545-31-2600 E-mail : info@rkco.jp
Fax : +81-545-31-1600 URL : http://rk-microwave.com