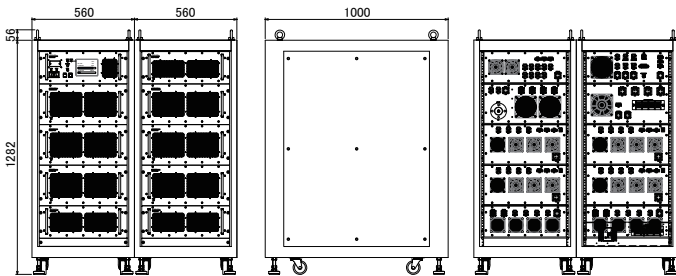


## R&K-A010K221-6767R



OUTLINE DRAWING

※ IN MILLIMETERS



TYPICAL PERFORMANCE (Temp @+25°C)

- All Solid-State Amplifier
- Broadband Frequency: 10kHz~225MHz
- Output Power @P<sub>sat</sub> : 5.0kW (min.) @ 10kHz~ 50MHz  
5.0kW~4.0kW (min.) @ 50MHz~200MHz  
3.5kW (min.) @ 200MHz~225MHz

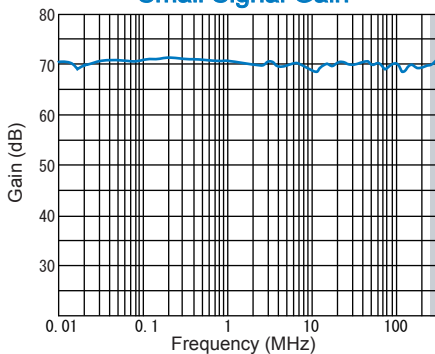
### ■ Building Block Construction APPLICATION

- EMC(Electromagnetic Compatibility)
- Etc...

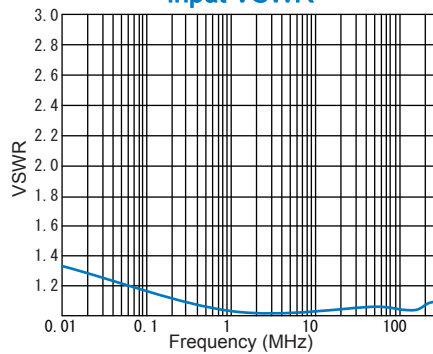
### SPECIFICATIONS @ +25°C

Frequency Range	: 10kHz ~ 225MHz
Small Signal Gain	: +67.0dB (min.)
Gain Flatness	: ±2.0dB (max.)
Output Power @P <sub>sat</sub>	: 5.0kW (min.) @ 10kHz ~ 50MHz 5.0kW~4.0kW (min.) @ 50MHz~200MHz(derating slope of 6.66W/MHz) 3.5kW (min.) @ 200MHz~225MHz
Output Power @1dB Comp.:	: 3.4kW (min.) @ 10kHz ~ 100MHz 3.4kW~2.5kW (min.) @ 100MHz~200MHz(derating slope of 9W/MHz) 2.0kW (min.) @ 200MHz~225MHz
Harmonics	: -20.0dBc (max.) @ P <sub>o</sub> =3kW
Spurious	: -70.0dBc (max.) @ P <sub>o</sub> =3kW
Impedance	: 50Ω
Input VSWR	: 2.0 (max.)
Maximum RF Input Power	: +3.0dBm
AC Supply Input	: AC200V±15%/3φ, 50/60Hz, 30kVA
Operating Temperature	: 0°C to +35°C
Storage Temperature	: -15°C to +55°C
Connectors	: RF - IN N - FEMALE RF - OUT 1-5/8" - EIA Flange
Size	: (W)560mm×(D)1000mm×(H)1282mm ×2Units (Excluding Projection)
Weight	: 700.0kg (max.)
Cooling	: Forced Air Cooling
Protection Circuits	: Over Temperature Protection Power Supply Voltage Protection Output Over Power Protection Output Over Reflection Power Protection
Other	: R&K Multi Monitoring System

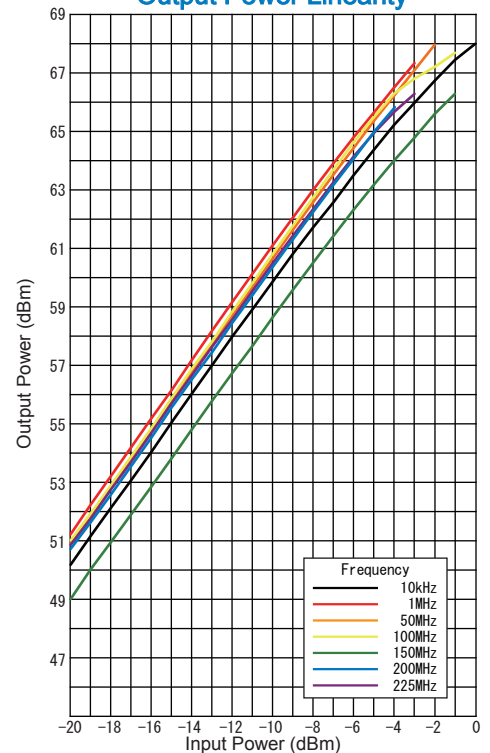
Small Signal Gain



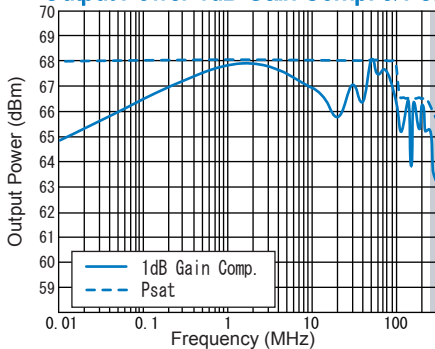
Input VSWR



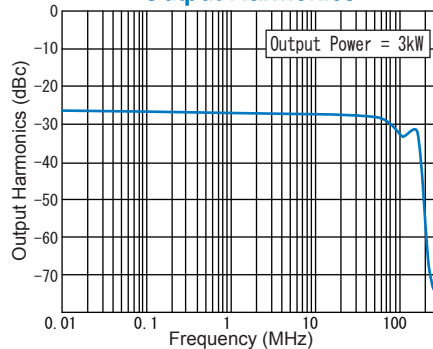
Output Power Linearity



Output Power 1dB Gain Comp. & P<sub>sat</sub>



Output Harmonics



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".

## 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