

## R&K-A010K221-7070RW



- Broadband Frequency: 10kHz ~ 225MHz
- Output Power : 10kW @Psat
- **Water Cooling**

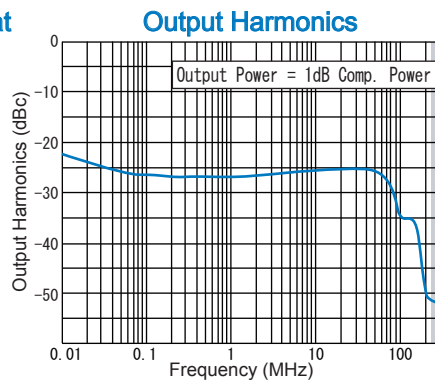
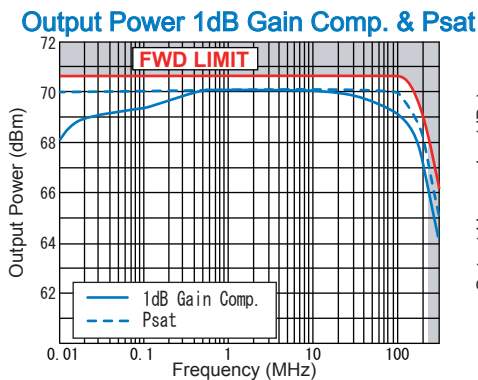
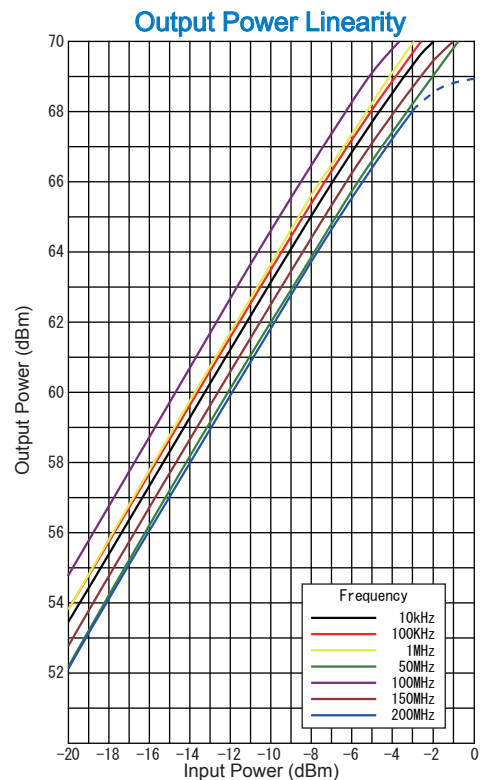
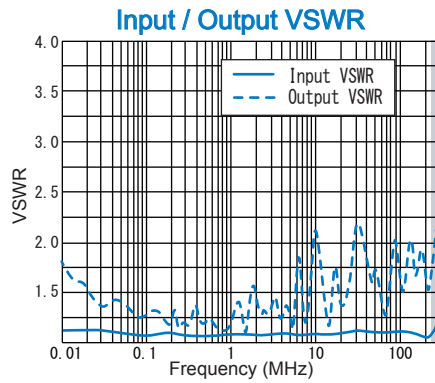
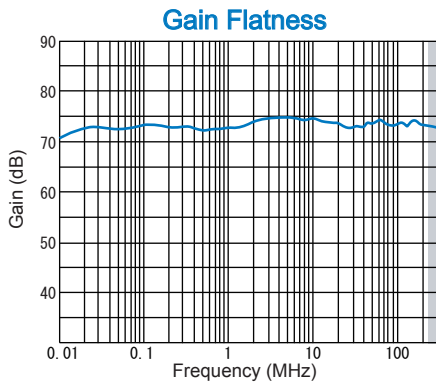
### APPLICATION

- EMC(Electromagnetic Compatibility)
- Etc...

### SPECIFICATIONS @ +25°C

Frequency Range	: 10kHz ~ 225MHz
Small Signal Gain	: +70.0dB (min.)
Gain Flatness	: ±2.0dB (max.)
Output Power @Psat	: 10kW (min.) @ 10kHz ~ 100MHz
	: 10kW ~ 6kW @100MHz ~ 225MHz
@1dB Comp.	: 7kW (min.) @ 10kHz ~ 100MHz
	: 7kW ~ 4kW @100MHz ~ 225MHz
Output I.C.P.	: +77.0dBm (typ.)
Harmonics	: -20.0dBc (max.) @Po=6kW
Spurious	: -70.0dBc (max.) @Po=6kW
Impedance	: 50Ω
Input VSWR	: 1.5 (max.)
Output VSWR	: 3.0 (max.)
Maximum RF Input Power	: +1.0dBm
AC Supply Input	: AC200V ± 15% / 3 φ , 50 / 60Hz, 55kVA
Operating Temperature	: 0°C to +35°C
Storage Temperature	: -15°C to +55°C
Connectors	: RF - IN N - FEMALE RF - OUT 1-5/8" - FEMALE
Size	: (W)560mm×(D)1000mm×(H)2081mm ×2Units (Excluding Projection)
Weight	: 1200.0kg (max.)
Cooling	: Forced Air Cooling and Water 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

### TYPICAL PERFORMANCE (Temp @+25°C)



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

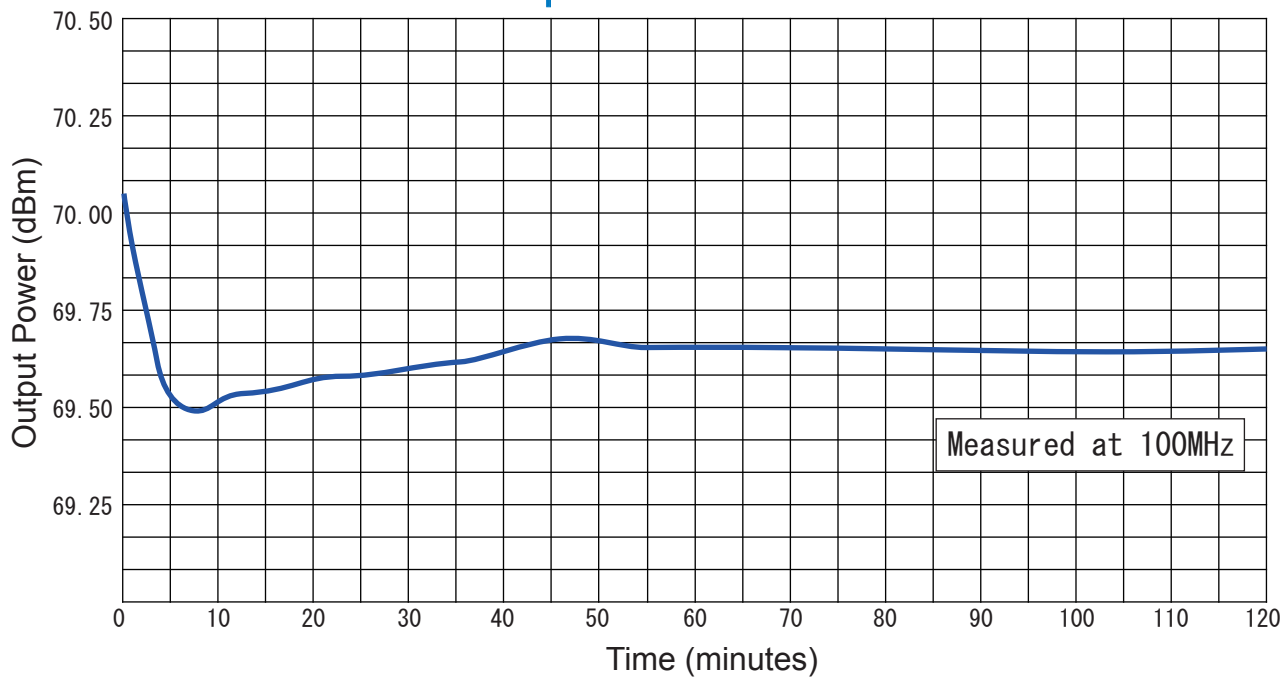
721-1 Maeda, Fuji-City, Shizuoka-Pref. 416-8577 Japan  
 Tel : +81-545-31-2600 E-mail : info@rkco.jp  
 Fax : +81-545-31-1600 URL : http://rk-microwave.com

## TYPICAL PERFORMANCE (Temp @+25°C)

### ■ Output Power Stability

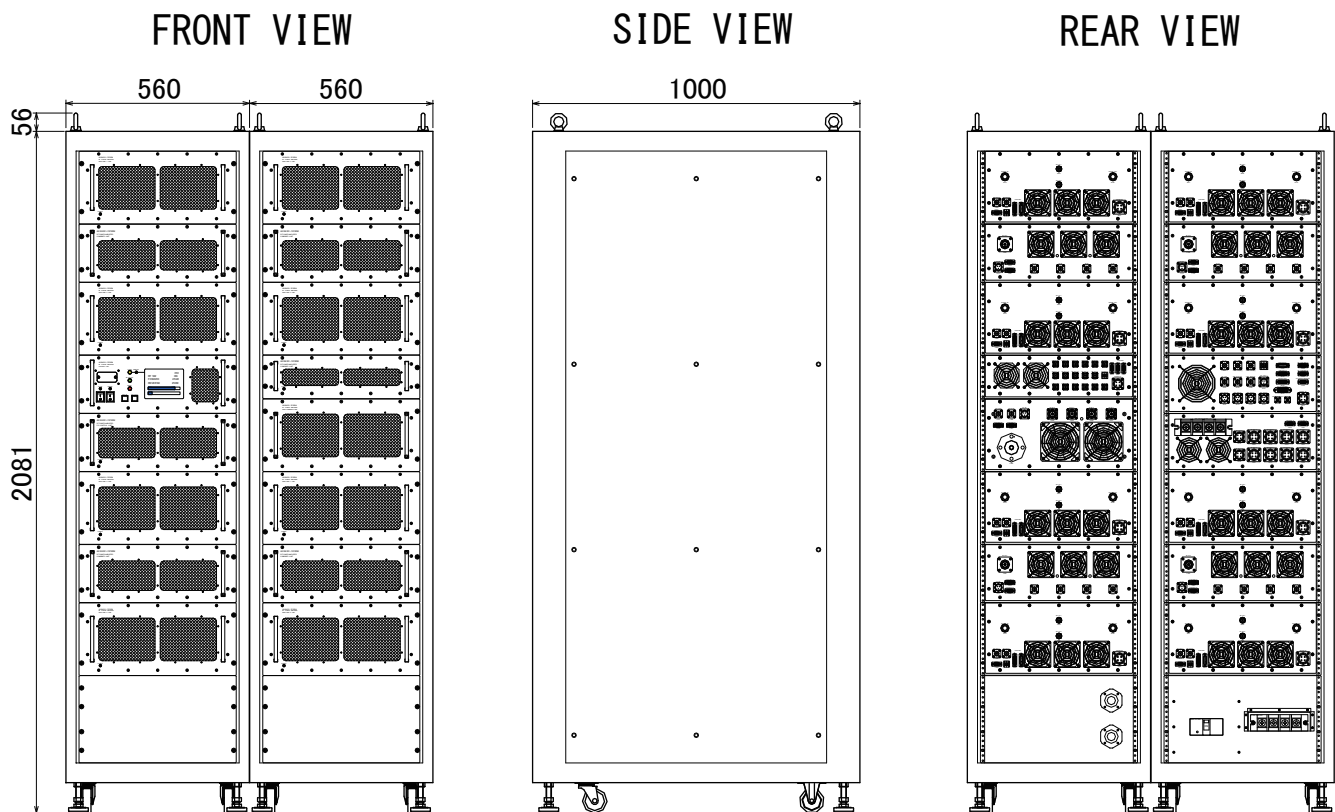
R&K-A010K221-7070RW

### Output Power vs Time



## OUTLINE DRAWING

※IN MILLIMETERS



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