

# RF POWER AMPLIFIER

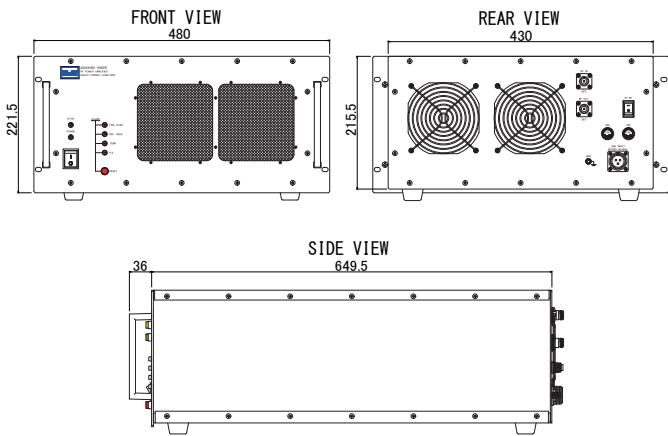


## R&K-A501K501-5050R



### OUTLINE DRAWING

※IN MILLIMETERS



- All Solid-State Amplifier
- Broadband Frequency: 500kHz ~ 500MHz
- Output Power : 100W @1dB Comp.

### APPLICATION

- EMC(Electromagnetic Compatibility)
- Etc...

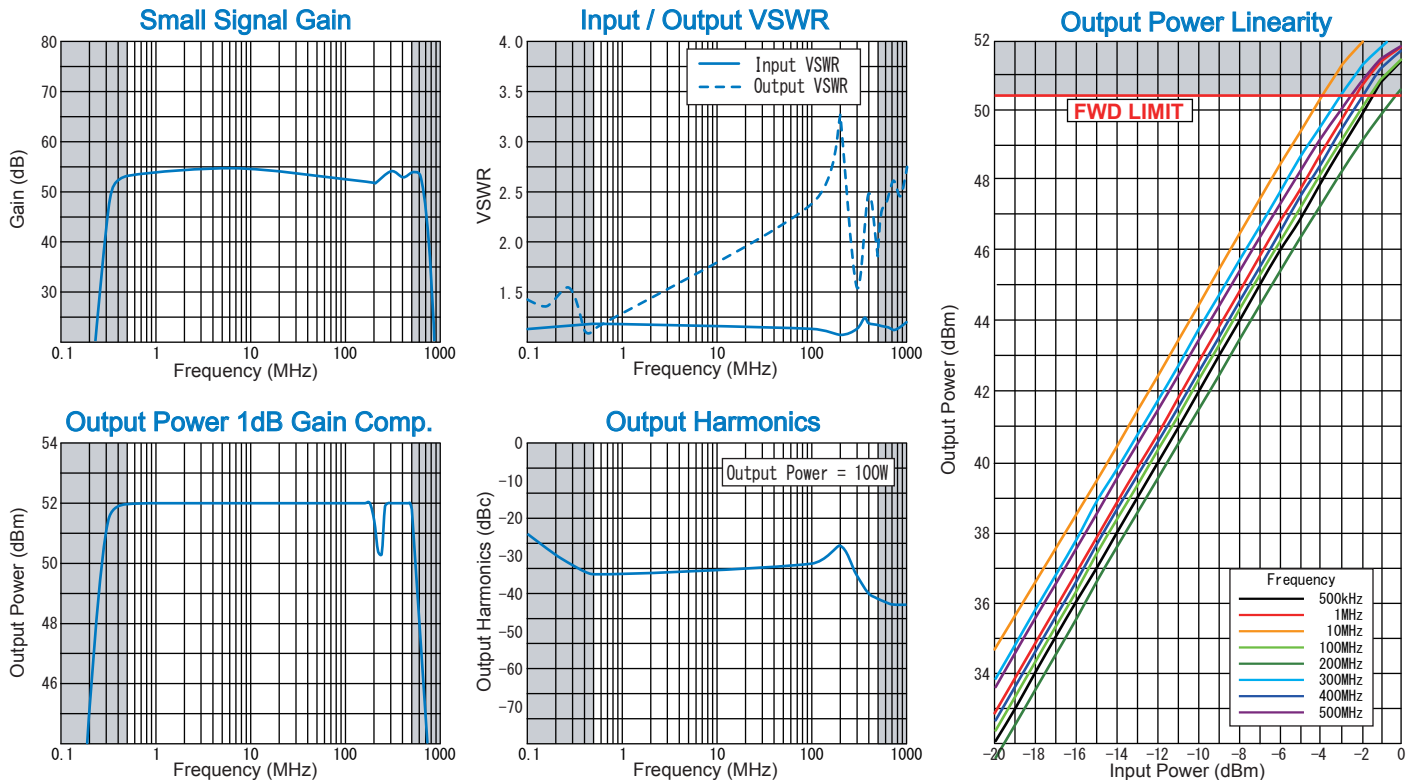
### SPECIFICATIONS @ +25°C

Frequency Range	: 500kHz ~ 500MHz
Small Signal Gain	: +50.0dB (min.)
Gain Flatness	: ±2.0dB (max.)
Output Power	: 100W (min.) @1dB Comp.
Operation Mode	: Class A
Harmonics	: -20.0dBc (max.) @Po=100W
Spurious	: -70.0dBc (max.) @Po=100W
Impedance	: 50 Ω
Input VSWR	: 1.5 (max.)
Output VSWR	: 3.0 (typ.)
Maximum RF Input Power	: +3.0dBm
AC Supply Input	: AC100V ± 10% / 1 φ, 50 / 60Hz, 1.5kVA
Operating Temperature	: 0°C to +40°C
Storage Temperature	: -15°C to +65°C
Connectors	: RF - IN N - FEMALE @REAR PANEL RF - OUT N - FEMALE @REAR PANEL
Size	: (W)480mm × (D)649.5mm × (H)221.5mm
Weight	: 32.5kg (typ.)
Cooling	: Forced Air Cooling
Protection	: Over Temperature Protection Power Supply Voltage Protection Output Over Power Protection Output Over Reflection Power Protection

### HOW TO ORDER

Model Number  
R&K-A501K501-5050R OP **XX** Option:  
See Option Line up

### 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, R&K cannot export products to any country for use in military or defense applications.

## 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