

RF POWER AMPLIFIER



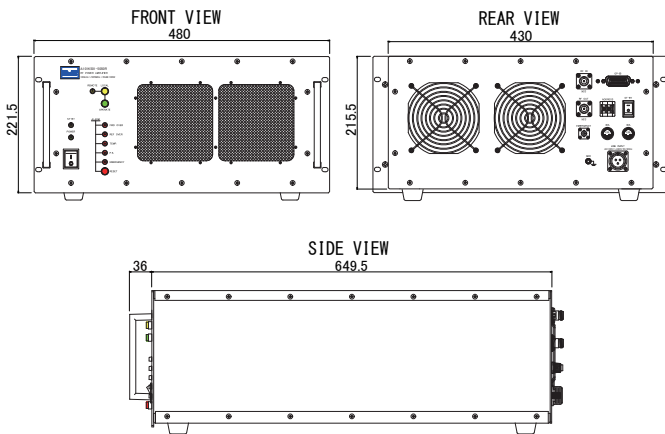
2018 Model

R&K-A101K501-5050R



OUTLINE DRAWING

※IN MILLIMETERS



- Class A Linear Solid-State Amplifier
- Broadband Frequency: 100kHz~505MHz
- Output Power (CW) : 100W (min.) @1dB Comp.

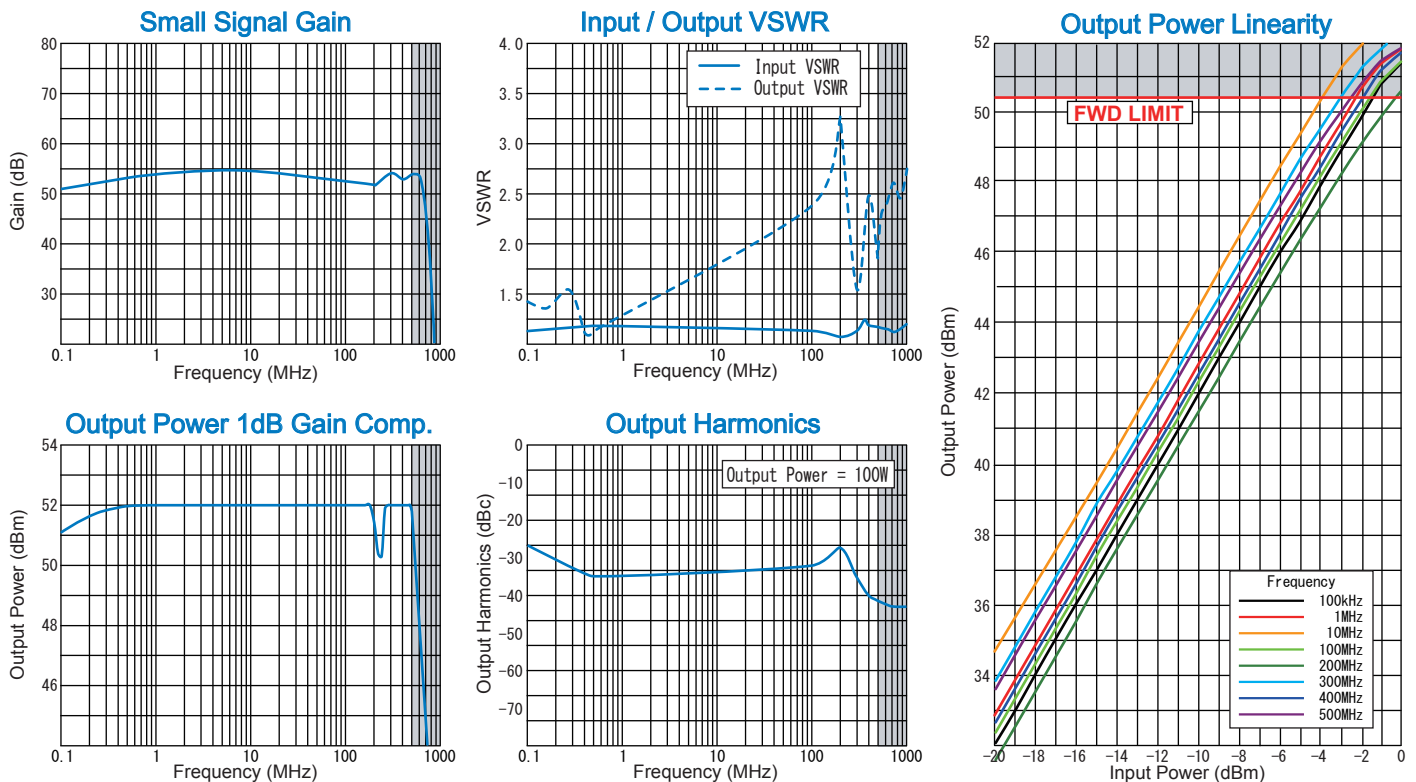
APPLICATION

- EMC(Electromagnetic Compatibility)
- Etc...

SPECIFICATIONS @ +25°C

| | |
|------------------------|--|
| Frequency Range | : 100kHz ~ 505MHz |
| Small Signal Gain | : +50.0dB (min.) |
| Gain Flatness | : ±2.5dB (max.) |
| Output Power (CW) | : 100W (min.) @1dB Comp. |
| Operation Mode | : Class A |
| Harmonics | : -20.0dBc (max.) @Po=100W |
| Spurious | : -70.0dBc (max.) @Po=100W |
| Impedance | : 50Ω |
| Input VSWR | : 2.0 (max.) |
| Output VSWR | : 3.0 (typ.) |
| Maximum RF Input Power | : +3.0dBm |
| AC Supply Input | : AC100V~240V / 1φ, 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(EIA:5U) |
| Weight | : 32.5kg (typ.) |
| Cooling | : Forced Air Cooling |
| Protection Circuits | : Over Temperature Protection Power Supply Voltage Protection Output Over Power Protection Output Over Reflected Power Protection |
| Other Functions | : GP-IB(IEEE-488) Safety Interlock(EMERGENCY) |

TYPICAL PERFORMANCE (Temp @+25°C)



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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