

RF POWER AMPLIFIER



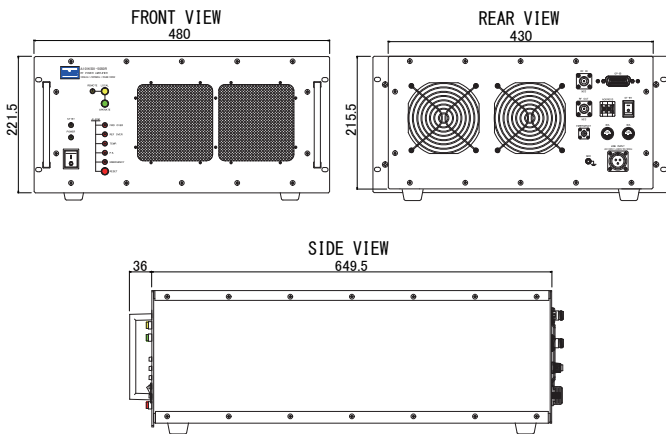
2018 Model

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.

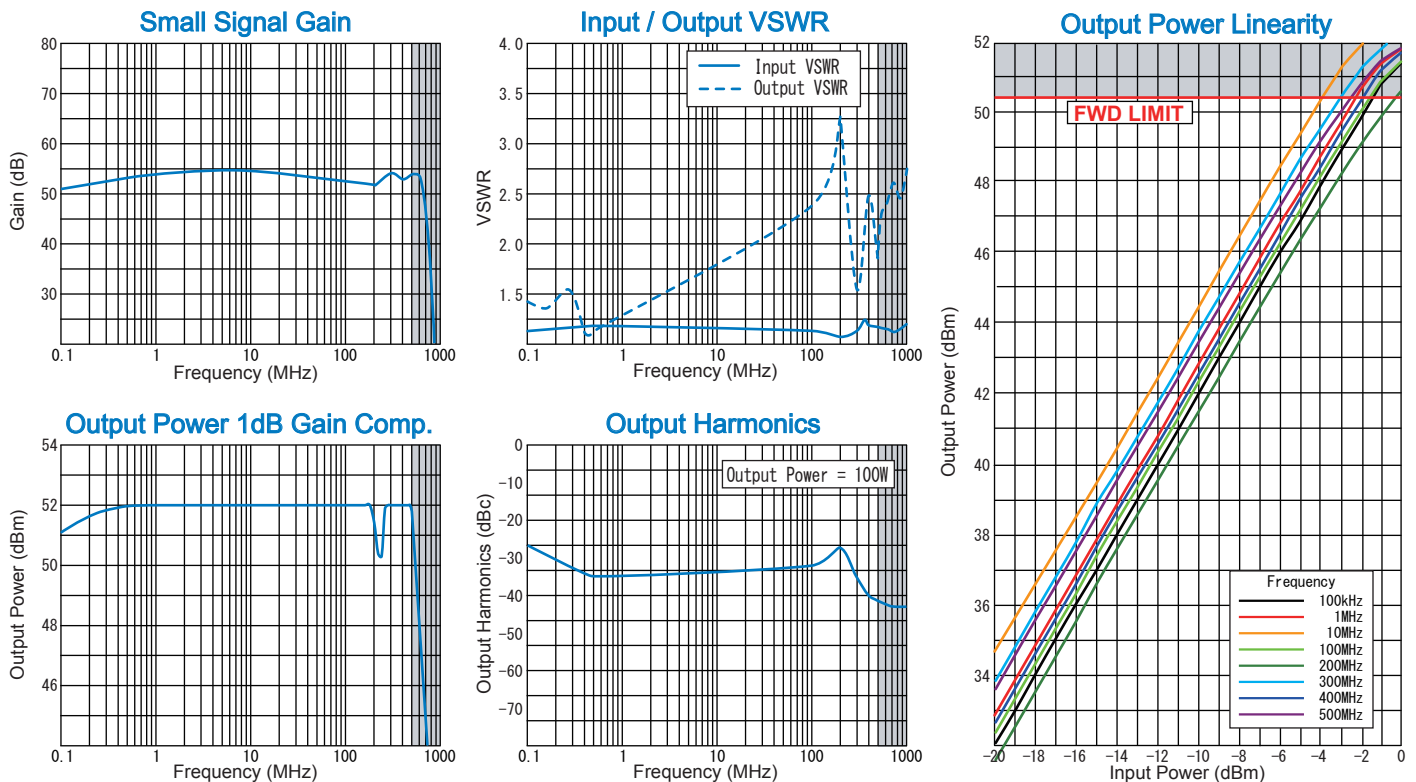
APPLICATION

- 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	: 50 Ω
Input VSWR	: 2.0 (max.)
Output VSWR	: 3.0 (typ.)
Maximum RF Input Power	: +3.0dBm
AC Supply Input	: AC100V~240V / 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(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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