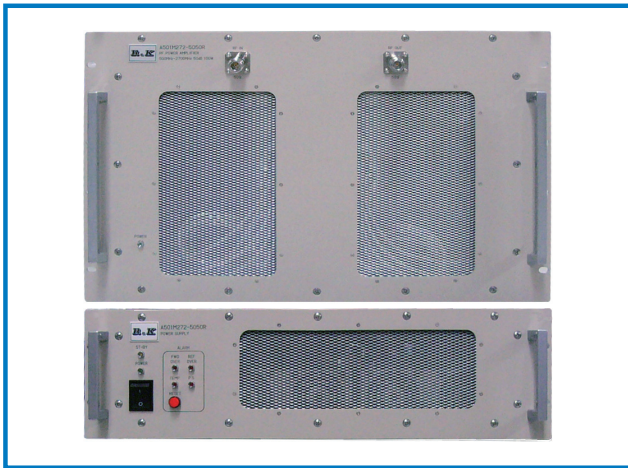


# RF POWER AMPLIFIER



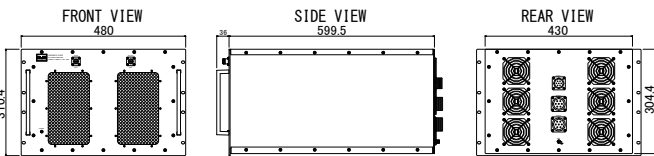
## R&K-A501M272-5151R



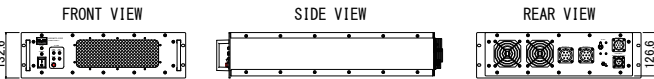
### OUTLINE DRAWING

※ IN MILLIMETERS

#### AMP. Unit



#### P.S. Unit



- Class A Linear Solid-State Amplifier
- Broadband Frequency: 500MHz~2700MHz
- Output Power (CW) : 120W (min.) @1dB Comp.

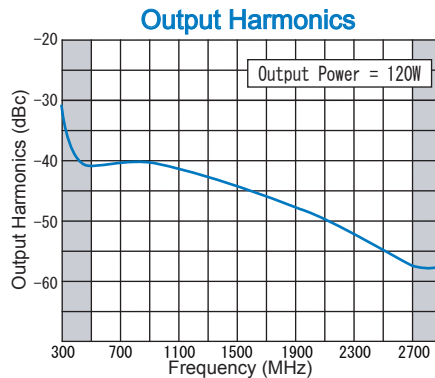
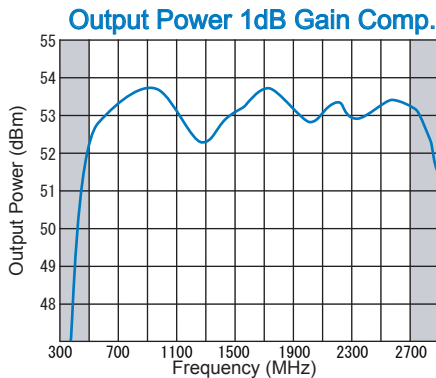
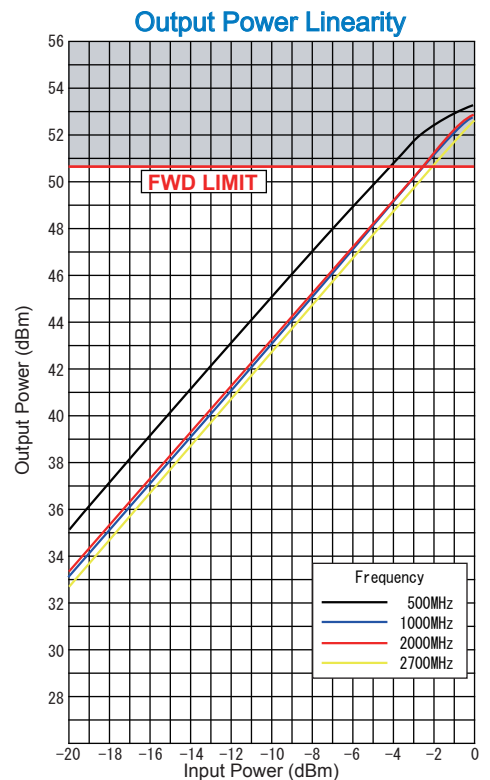
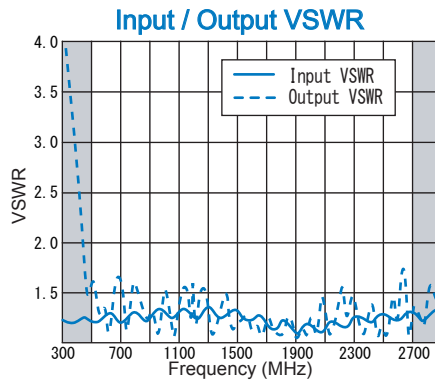
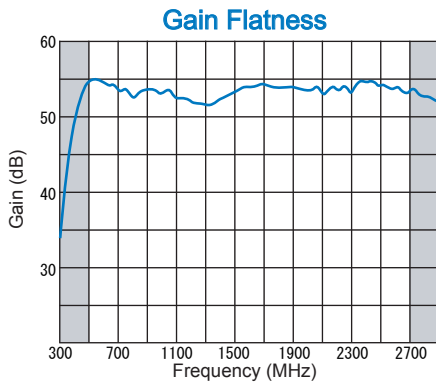
### APPLICATION

- EMC (Electromagnetic Compatibility)
- Accelerator Application
- Telecommunication Test and Measurement Application
- Etc...

### SPECIFICATIONS @ +25°C

Frequency Range	: 500MHz ~ 2700MHz
Small Signal Gain	: +51.0dB (min.)
Gain Flatness	: ±2.5dB (max.)
Output Power (CW)	: 120W (min.) @1dB Comp.
Operation Mode	: Class A
Output I.C.P.	: +61.0dBm (typ.)
Harmonics	: -20.0dBc (max.) @Po=120W
Spurious	: -70.0dBc (max.) @Po=120W
Impedance	: 50Ω
Input VSWR	: 2.0 (max.)
Output VSWR	: 3.0 (max.)
Maximum RF Input Power:	+1dBm
AC Supply Input	: AC200V ±10% / 1φ, 50/60Hz, 2kVA
Operating Temperature	: 0°C to +40°C
Storage Temperature	: -15°C to +65°C
Connectors	: RF-IN N-FEMALE RF-OUT N-FEMALE
Size	AMP. Unit : (W)480mm×(D)599.5mm×(H)310.4mm (EIA:7U) P.S. Unit : (W)480mm×(D)599.5mm×(H)132.6mm (EIA:3U)
Weight	: 70.0kg (max.)
Cooling	: Forced Air Cooling
Protection Circuits	: Over Temperature Protection Power Supply Voltage Protection Output Over Power Protection Output Over Reflection Power Protection

### 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".

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