

RF POWER AMPLIFIER



2017 Model

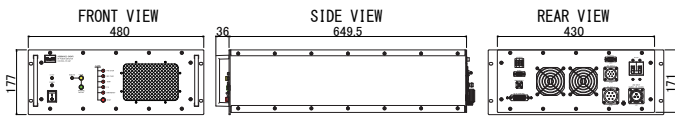
R&K-A080M102-5454R



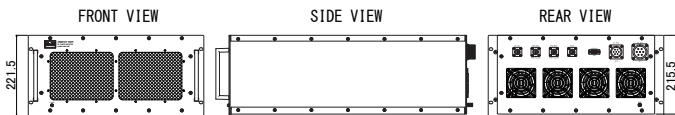
OUTLINE DRAWING

※IN MILLIMETERS

CONTROL / P.S. Unit



F.A. Unit



TYPICAL PERFORMANCE (Temp @+25°C)

- Class A Linear Solid-State Amplifier
- Broadband Frequency: 80MHz ~ 1000MHz
- Output Power: 250W (min.) @1dB Comp.

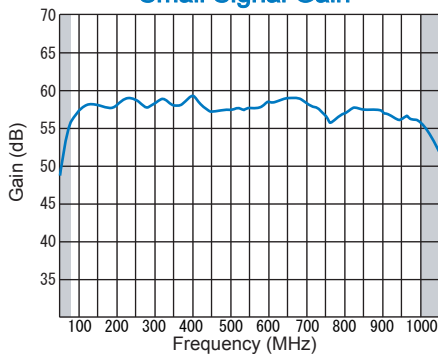
APPLICATION

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

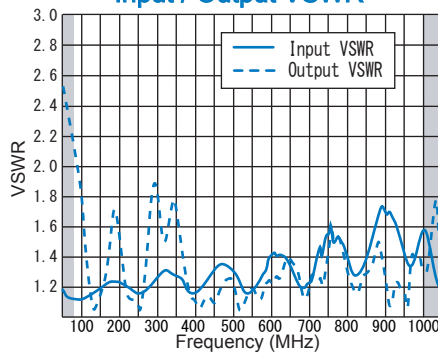
SPECIFICATIONS @ +25°C

Frequency Range	: 80MHz ~ 1000MHz
Small Signal Gain	: +54.0dB (min.)
Gain Flatness	: ±2.5dB (max.)
Output Power	: 250W (min.) @1dB Comp. : 300W (min.) @3dB Comp.
Operation Mode	: Class A
Harmonics	: -20.0dBc (max.) @Po=250W
Spurious	: -70.0dBc (max.) @Po=250W
Impedance	: 50Ω
Input VSWR	: 2.0 (max.)
Output VSWR	: 3.0 (max.)
Maximum RF Input Power	: +3.0dBm
AC Supply Input	: AC200V ± 15% / 1φ, 50/60Hz, 3.6kVA
Operating Temperature	: 0°C to +35°C
Storage Temperature	: -15°C to +65°C
Connectors	: RF - IN N - FEMALE @REAR PANEL RF - OUT N - FEMALE @REAR PANEL
Size	CONTROL/P.S. Unit : (W)480mm×(D)649.5mm×(H)177mm F.A. Unit : (W)480mm×(D)649.5mm×(H)221.5mm
Weight	: 61.0kg (typ.)
Cooling	: Forced Air Cooling
Protection Circuits	: Over Temperature Protection Power Supply Voltage Protection Output Over Power Protection Output Over Reflection Power Protection
Other Functions	: GP-IB Safety Interlock(EMERGENCY)

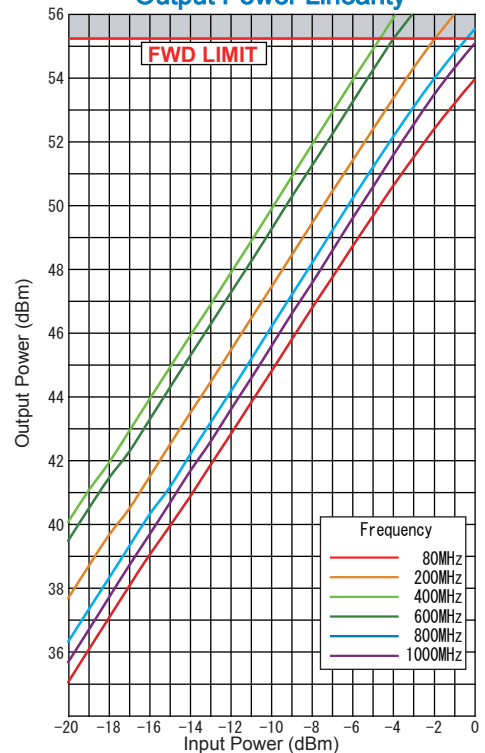
Small Signal Gain



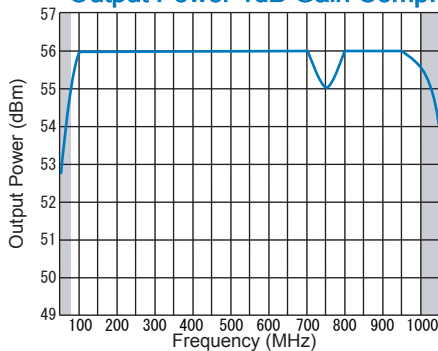
Input / Output VSWR



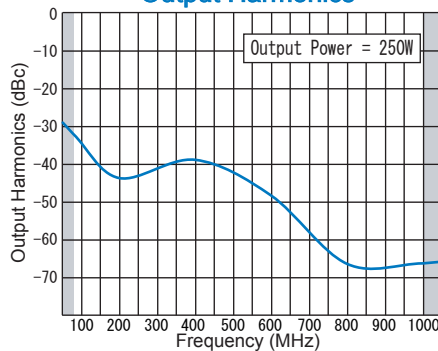
Output Power Linearity



Output Power 1dB Gain Comp.



Output Harmonics



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.

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