

RF POWER AMPLIFIER



2017 Model

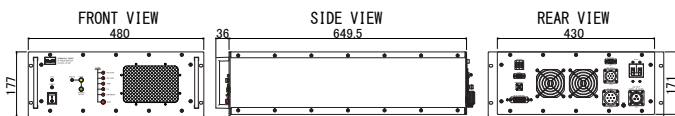
R&K-A080M102-5454R



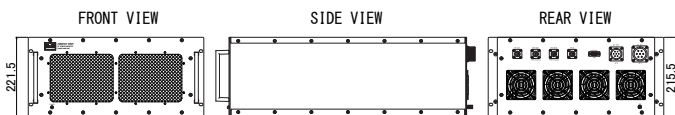
OUTLINE DRAWING

※IN MILLIMETERS

CONTROL / P.S. Unit



F.A. Unit



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

APPLICATION

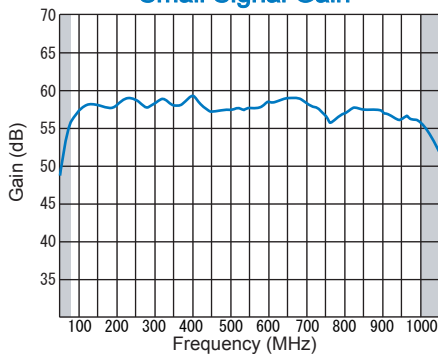
- EMC(Electromagnetic Compatibility)
- Accelerator Application
- Telecommunication Test and Measurement Application
- Etc...

SPECIFICATIONS @ +25°C

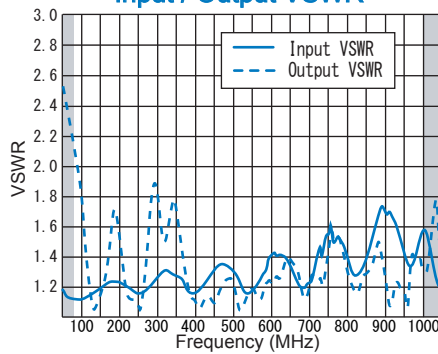
Frequency Range	: 80MHz ~ 1000MHz
Small Signal Gain	: +54.0dB (min.)
Gain Flatness	: ±2.5dB (max.)
Output Power (CW)	: 250W (min.) @1dB Comp.
	: 300W (min.) @3dB Comp.
Operation Mode	: Class A
Harmonics	: -20.0dBc (max.) @Po=250W
Spurious	: -70.0dBc (max.) @Po=250W
Impedance	: 50Ω
Input VSWR	: 2.0 (max.)
Output VSWR	: 2.5 (max.) $\Delta 1$
Maximum RF Input Power:	+3.0dBm
AC Supply Input	: AC200V±15%/1φ, 50/60Hz, 3.2kVA $\Delta 1$
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(EIA:4U)
F.A. Unit:	(W)480mm×(D)649.5mm×(H)221.5mm(EIA:5U)
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(IEEE-488)
	: Safety Interlock(EMERGENCY)

TYPICAL PERFORMANCE (Temp @+25°C)

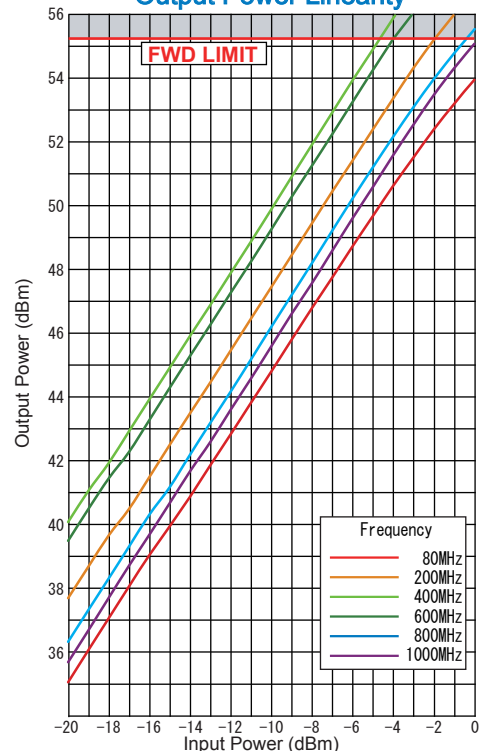
Small Signal Gain



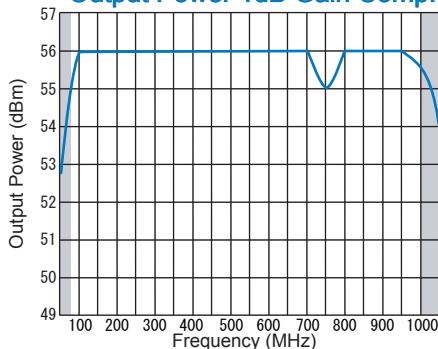
Input / Output VSWR



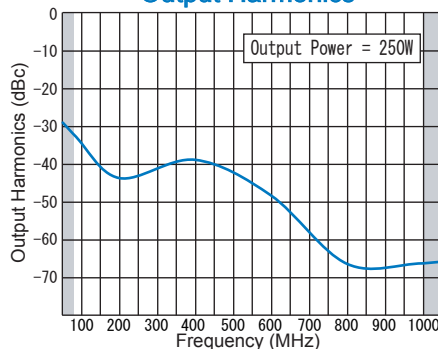
Output Power Linearity



Output Power 1dB Gain Comp.



Output Harmonics



* CHANGE $\Delta 1$ 29/May/2018

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