

RF POWER AMPLIFIER



2017 Model

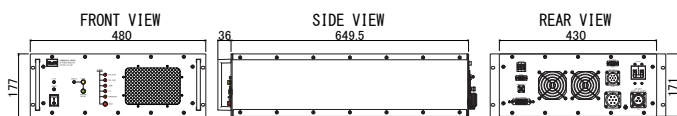
R&K-A080M102-5454R



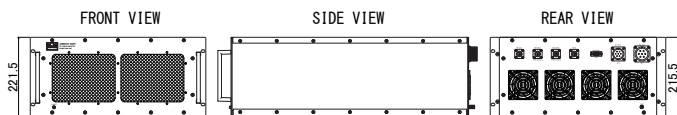
OUTLINE DRAWING

※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

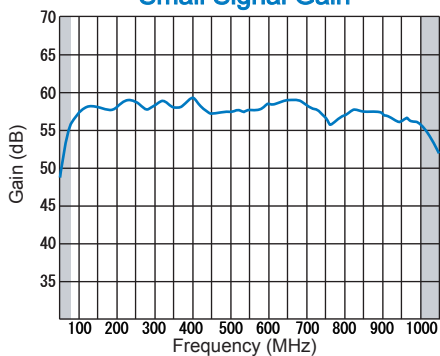
- EMC(Electromagnetic Compatibility)
- Accelerator Application
- Telecommunication Test and Measurement Application
- Etc...

SPECIFICATIONS @ +25°C

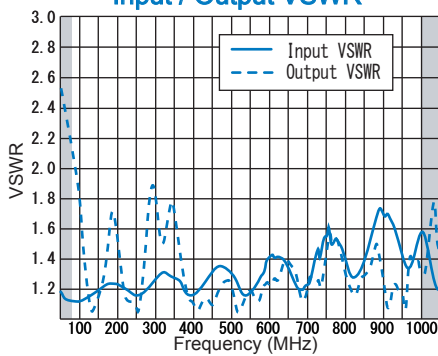
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|-------------------------|-------------------------------------------|
| Frequency Range | : 80MHz ~ 1000MHz |
| Small Signal Gain | : +54.0dB (min.) |
| Gain Flatness | : ±2.5dB (max.) |
| Output Power (CW) | : 250W (min.) @1dB Comp. |
| | : 300W (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 | : 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(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)

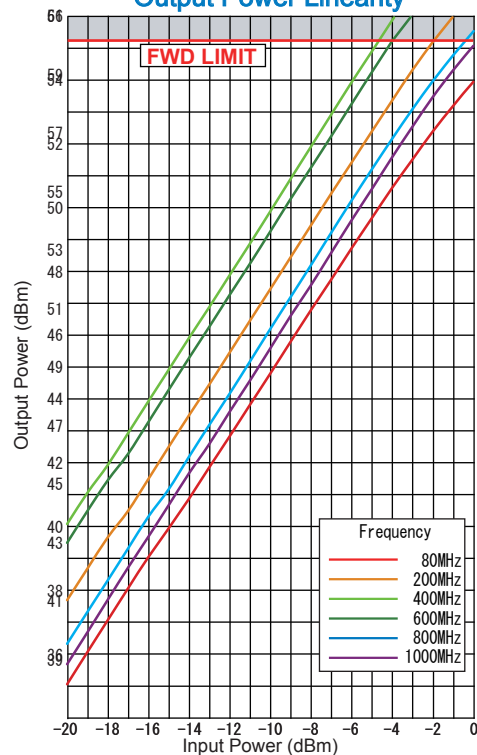
Small Signal Gain



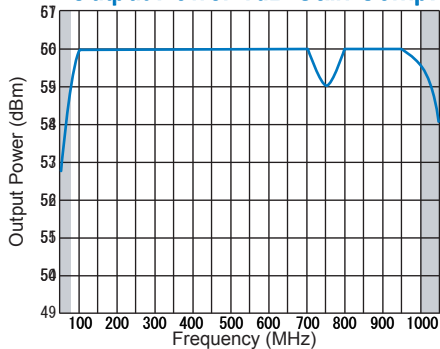
Input / Output VSWR



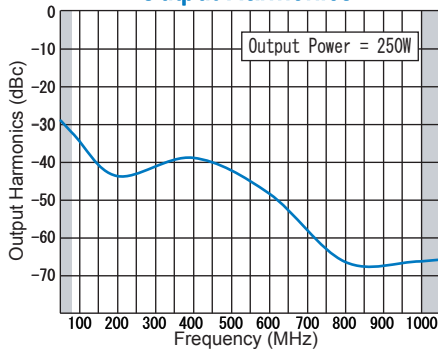
Output Power Linearity



Output Power 1dB Gain Comp.



Output Harmonics



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