

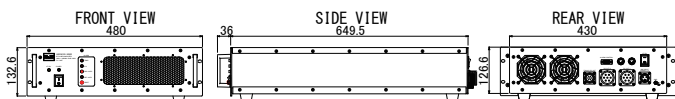
R&K-A001M102-5050R



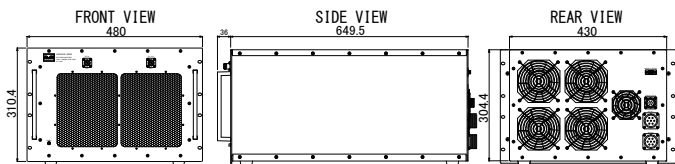
OUTLINE DRAWING

※ IN MILLIMETERS

P.S. Unit Δ1



AMP. Unit



TYPICAL PERFORMANCE (Temp @+25°C)

- Class A Linear Solid-State Amplifier
- Broadband Frequency : 1MHz~1000MHz
- Output Power (CW) : 100W (min.) @1dB Comp.

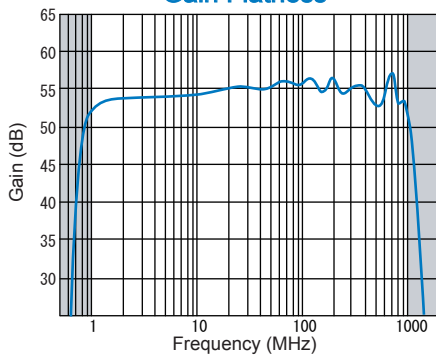
APPLICATION

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

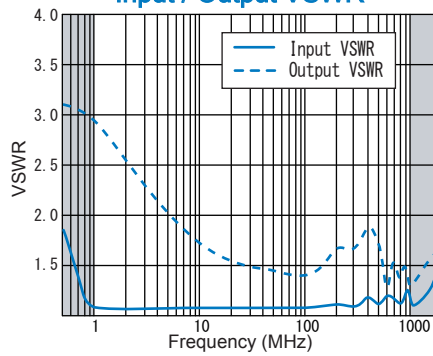
SPECIFICATIONS @ +25°C

Frequency Range	: 1MHz ~ 1000MHz
Small Signal Gain	: +50.0dB (min.)
Gain Flatness	: ±3.0dB (max.)
Output Power (CW)	: 100W (min.) @1dB Comp.
Harmonics	: -20.0dBc (max.) @Po=100W
Spurious	: -70.0dBc (max.) @Po=100W
Operation Mode	: Class A
Output I.C.P.	: +60.0dBm (typ.)
Impedance	: 50Ω
Input VSWR	: 2.0 (max.)
Output VSWR	: 3.0 (typ.) Δ1
AC Supply Input	: AC200V±15%/1φ, 50/60Hz, 2kVA
Maximum RF Input Power:	+3.0dBm
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)649.5mm×(H)310.4mm
Size P.S. Unit	: (W)480mm×(D)649.5mm×(H)132.6mm Δ1
Weight	: 75.0kg (max.)
Cooling	: Forced Air Cooling
Protection Circuits	: Over Temperature Protection Power Supply Voltage Protection Output Over Power Protection Output Over Reflection Power Protection

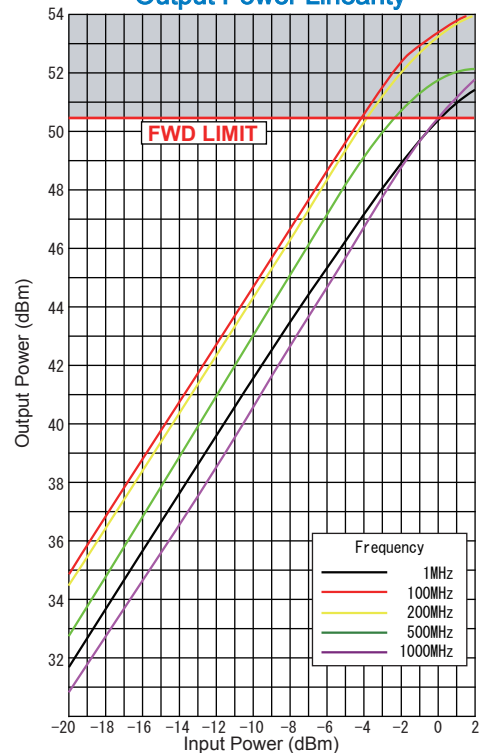
Gain Flatness



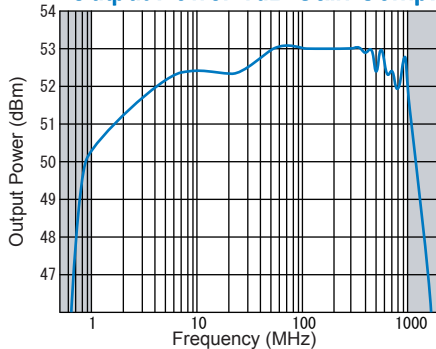
Input / Output VSWR



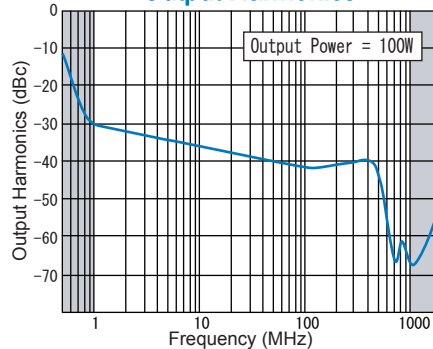
Output Power Linearity



Output Power 1dB Gain Comp.



Output Harmonics



* CHANGE Δ1 Jan./23/2014

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