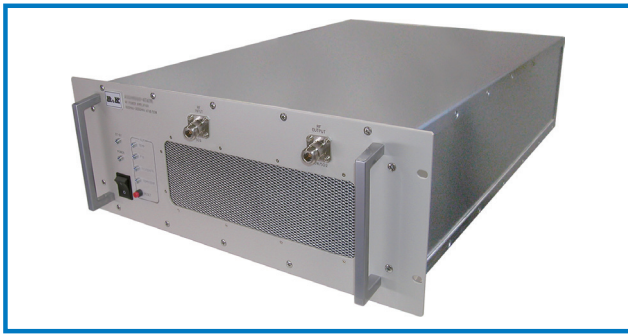
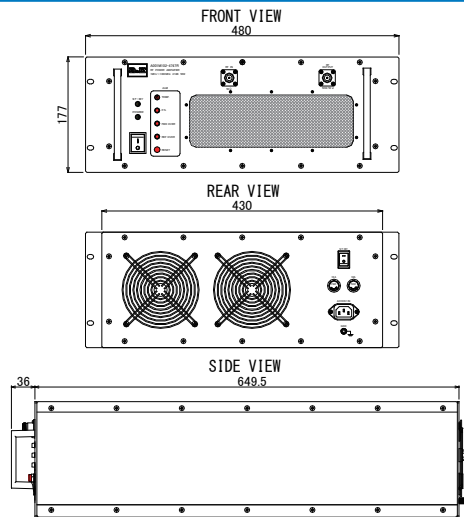


R&K-A001M102-4747R



OUTLINE DRAWING

※IN MILLIMETERS



TYPICAL PERFORMANCE (Temp @+25°C)

- Class A Linear Solid-State Amplifier
- Broadband Frequency: 1MHz~1000MHz
- Output Power (CW)
 - 1MHz~ 10MHz : 40W (min.) @1dB Comp.
 - 10MHz~1000MHz : 50W (min.) @1dB Comp.

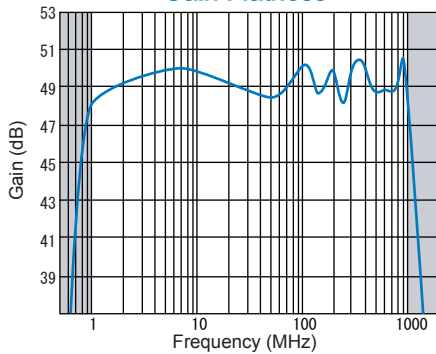
APPLICATION

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

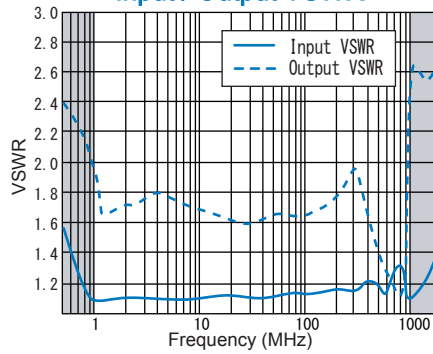
SPECIFICATIONS @ +25°C

Frequency Range	: 1MHz ~ 1000MHz
Small Signal Gain	: +47.0dB (min.)
Gain Flatness	: ±3.0dB (max.)
Output Power	
1MHz ~ 10MHz	: 40W (min.) @1dB Comp.
10MHz ~ 1000MHz	: 50W (min.) @1dB Comp.
Operation Mode	: Class A
Harmonics	: -20.0dBc (max.) @Po=50W
Spurious	: -70.0dBc (max.) @Po=50W
Output I.C.P.	: +57.0dBm (typ.)
Impedance	: 50 Ω
Input VSWR	: 2.0 (max.)
Output VSWR	: 3.0 (max.)
AC Supply Input	: AC100V ±10% / 1 φ , 50/60Hz, 700VA
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	: (W)480mm×(D)649.5mm×(H)177mm
Weight	: 35.0kg (max.)
Cooling	: Forced Air Cooling
Protection Circuits	: Over Temperature Protection Power Supply Voltage Protection Output Over Power Protection Output Over Reflection Power Protection

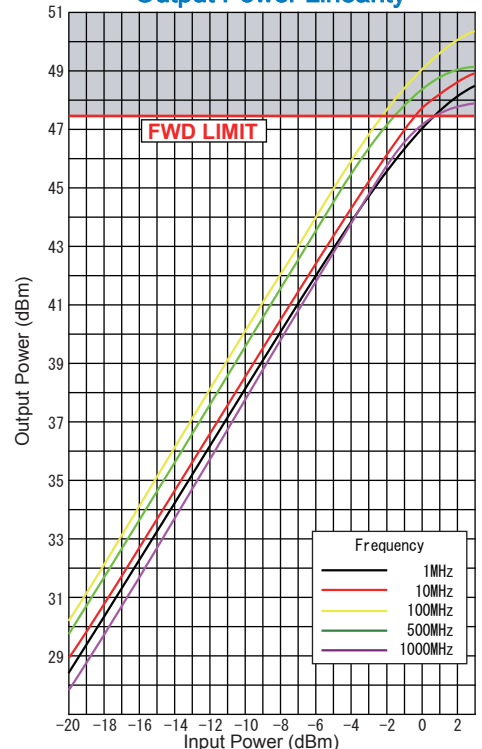
Gain Flatness



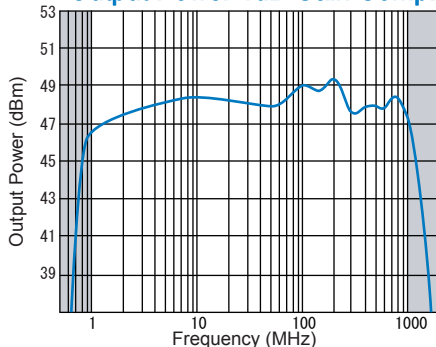
Input / Output VSWR



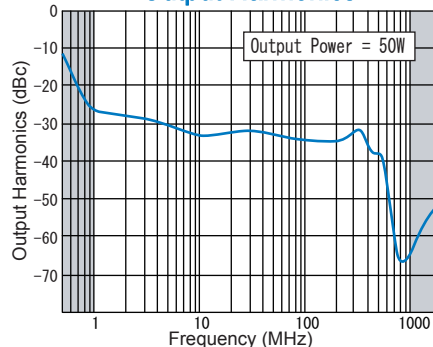
Output Power Linearity



Output Power 1dB Gain Comp.



Output Harmonics



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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