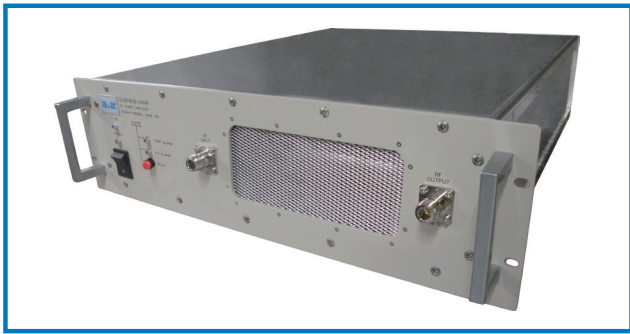


RF POWER AMPLIFIER



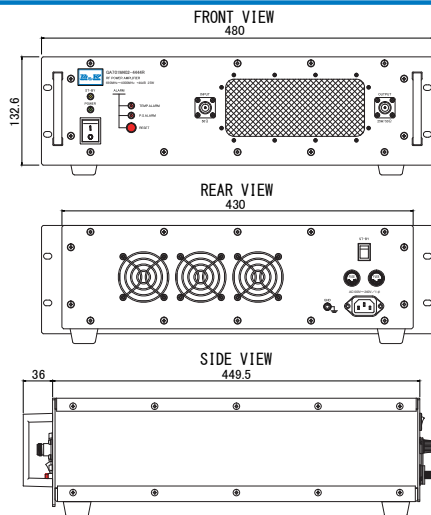
2018 Model

R&K-GA701M402-4444R



OUTLINE DRAWING

※IN MILLIMETERS



- Class A Linear Solid-State Amplifier
- Broadband Frequency: 690MHz ~ 4000MHz
- Output Power (CW) : 25W (min.) @1dB Comp.

APPLICATION

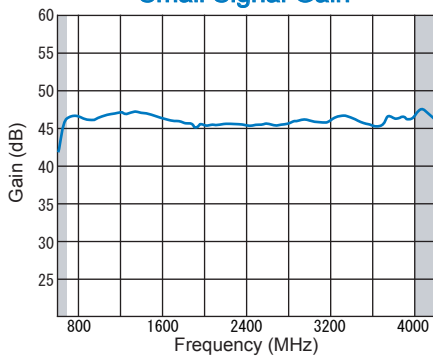
- EMC (Electromagnetic Compatibility)
- Accelerator Application
- Telecommunication Test and Measurement Application
- Etc...

SPECIFICATIONS @ +25°C

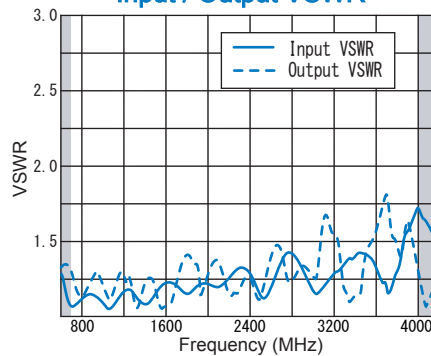
Frequency Range	: 690MHz ~ 4000MHz
Small Signal Gain	: +44.0dB (min.)
Gain Flatness	: ±2.0dB (max.)
Output Power (CW)	: 25W (min.) @1dB Comp.
Output I.C.P	: +52.0dBm (typ.)
Harmonics	: -20.0dBc (max.) @Po=25W
Spurious	: -70.0dBc (max.) @Po=25W
Operation Mode	: Class A
Impedance	: 50Ω
Input VSWR	: 2.0 (max.)
Output VSWR	: 2.5 (max.)
Maximum RF Input Power	: +3.0dBm
AC Supply Input	: AC100V ~ 240V / 1φ, 50/60Hz, 350VA
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)449.5mm×(H)132.6mm(EIA:3U)
Weight	: 13.0kg (typ.)
Cooling	: Forced Air Cooling
Protection Circuits	: Over Temperature Protection Power Supply Voltage Protection

TYPICAL PERFORMANCE (Temp @+25°C)

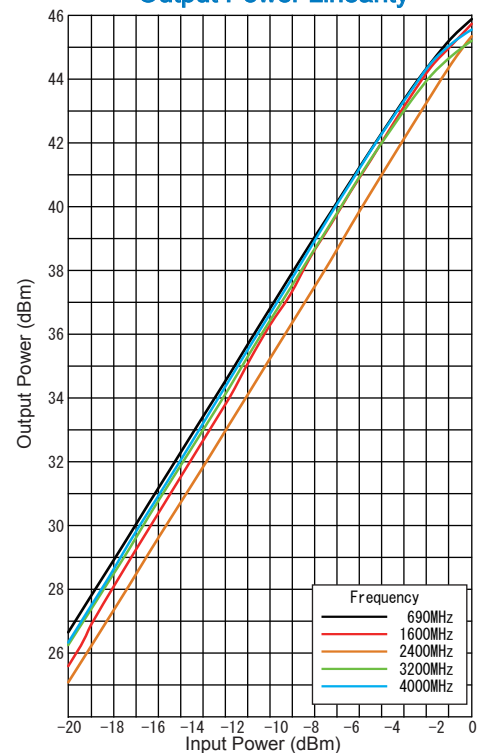
Small Signal Gain



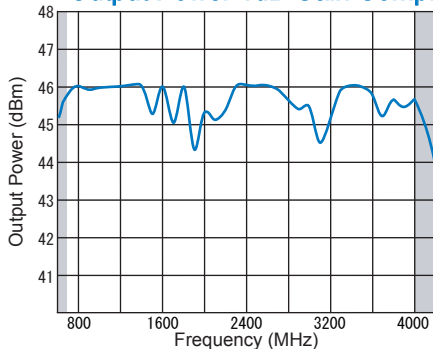
Input / Output VSWR



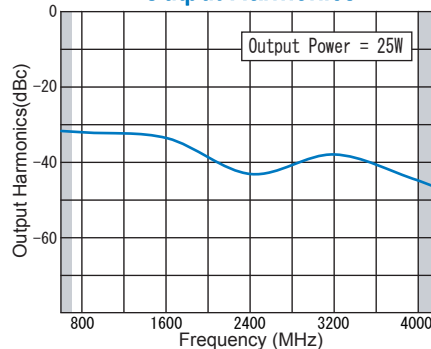
Output Power Linearity



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, 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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