

# RF POWER AMPLIFIER

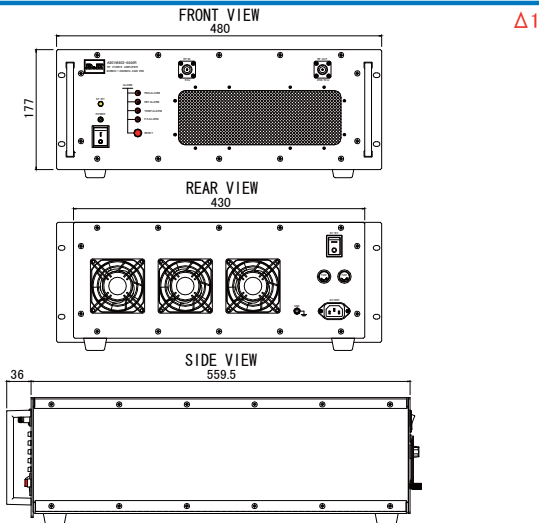


## R&K-A801M402-4444R



### OUTLINE DRAWING

※ IN MILLIMETERS



### TYPICAL PERFORMANCE (Temp @+25°C)

- Class A Linear Solid-State Amplifier
- Broadband Frequency: 800MHz ~ 4000MHz
- Output Power : 25W (min.) @1dB Comp.

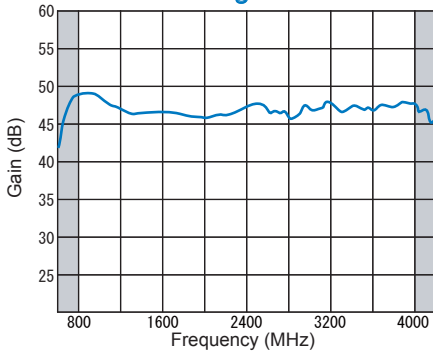
### SPECIFICATIONS @ +25°C

Frequency Range	: 800MHz ~ 4000MHz
Small Signal Gain	: +44.0dB (min.)
Gain Flatness	: ±3.0dB (max.)
Output Power	: 25W (min.) @1dB Comp.
Operation Mode	: Class A
Output I.C.P.	: +50.0dBm (typ.)
Harmonics	: -20.0dBc (max.) @Po=25W
Spurious	: -70.0dBc (max.) @Po=25W
Impedance	: 50Ω
Input VSWR	: 2.0 (max.)
Output VSWR	: 3.0 (max.)
Maximum RF Input Power	: +3.0dBm
AC Supply Input	: AC100V ± 10% / 1 φ, 50/60Hz, 600VA
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)559.5mm × (H)177mm
Weight	: 30.0kg (max.)
Cooling	: Forced Air Cooling
Protection Circuits	: Over Temperature Protection Power Supply Voltage Protection Output Over Power Protection Output Over Reflection Power Protection

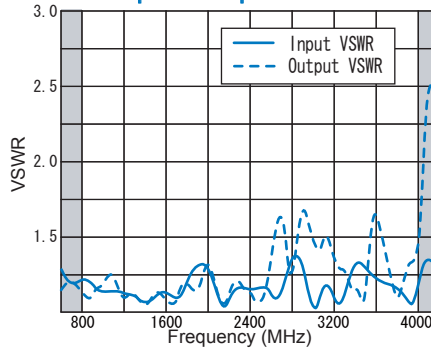
### HOW TO ORDER

Model Name  
R&K-A801M402-4444R OP **XX** Option:  
See Option Line up

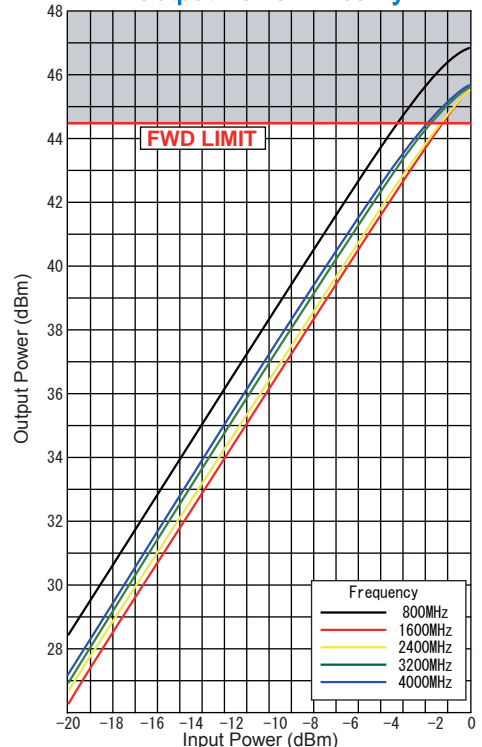
Small Signal Gain



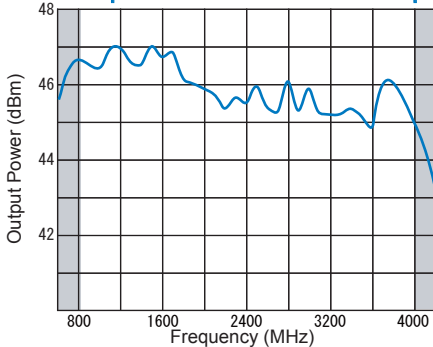
Input / Output VSWR



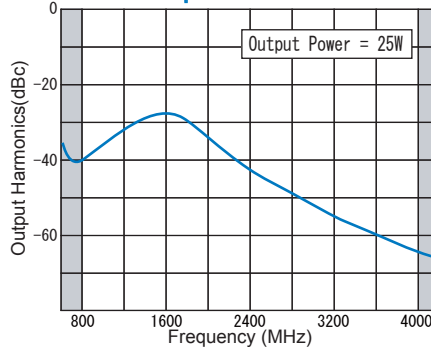
Output Power Linearity



Output Power 1dB Gain Comp.



Output Harmonics



\* CHANGE Δ1 Mar./17/2014

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, R&K cannot export products to any country for use in military or defense applications.

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