

# RF POWER AMPLIFIER

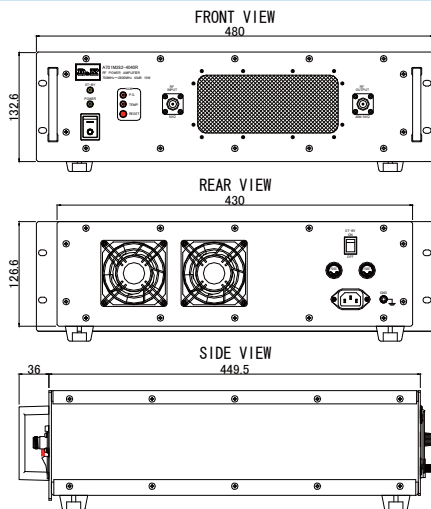


## R&K-A701M282-4040R



### OUTLINE DRAWING

※IN MILLIMETERS



### TYPICAL PERFORMANCE (Temp @+25°C)

- Class A Linear Solid-State Amplifier
- Broadband Frequency: 700MHz~2800MHz
- Output Power : 10W(min.) @1dB Comp.

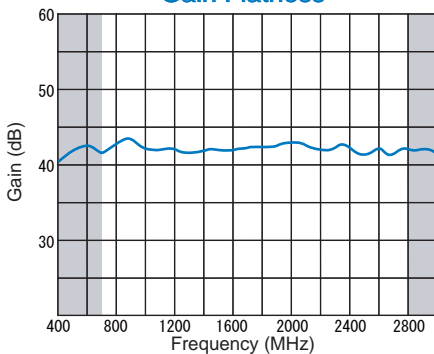
### SPECIFICATIONS @ +25°C

Frequency Range	: 700MHz ~ 2800MHz
Small Signal Gain	: +40.0dB (min.)
Gain Flatness	: ±1.5dB (max.)
Output Power	: 10W (min.) @1dB Comp.
Output I.C.P	: +50.0dBm (typ.)
Harmonics	: -18.0dBc (max.) @Po=10W
Spurious	: -60.0dBc (max.) @Po=10W
Operation Mode	: Class A
Impedance	: 50 Ω
Input VSWR	: 2.0 (max.)
Output VSWR	: 2.0 (max.)
AC Supply Input	: AC100V±15%/1 φ , 50/60Hz, 300VA
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)449.5mm×(H)132.6mm
Weight	: 20.0kg (max.)
Cooling	: Forced Air Cooling
Protection Circuits	: Over Temperature Protection Power Supply Voltage Protection

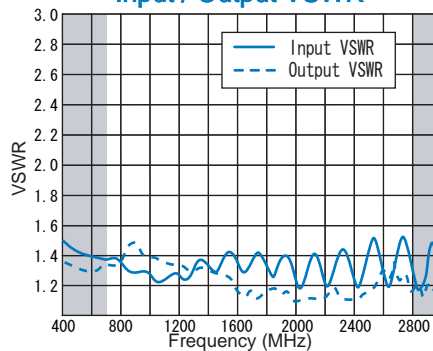
### HOW TO ORDER

Model Name  
R&K-A701M282-4040R OP **XX** Option:  
See Option Line up

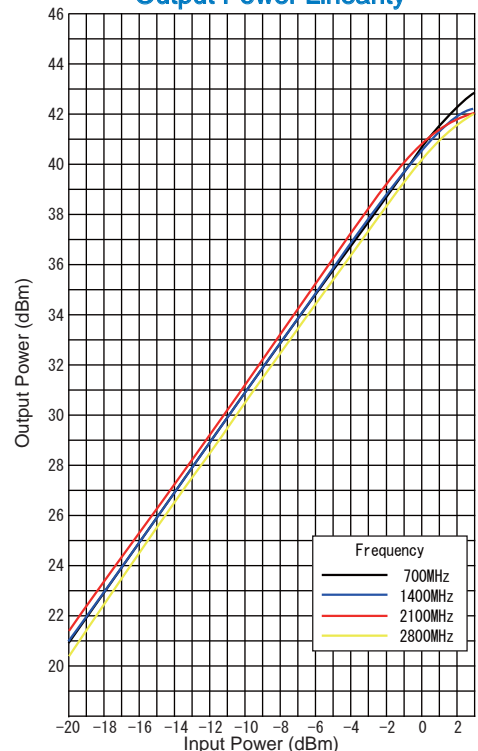
Gain Flatness



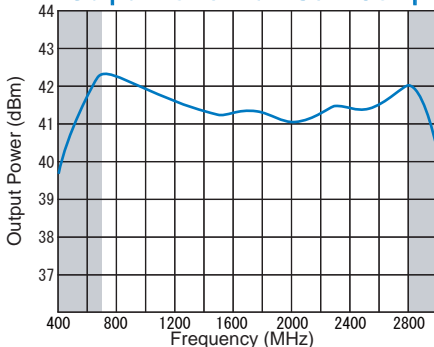
Input / Output VSWR



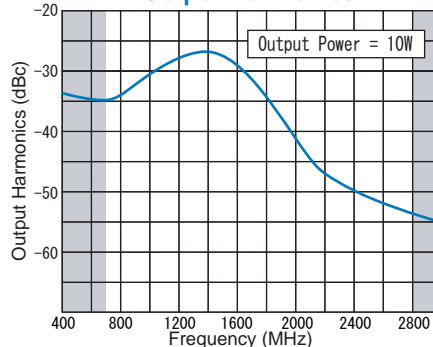
Output Power Linearity



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

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