

# RF POWER AMPLIFIER

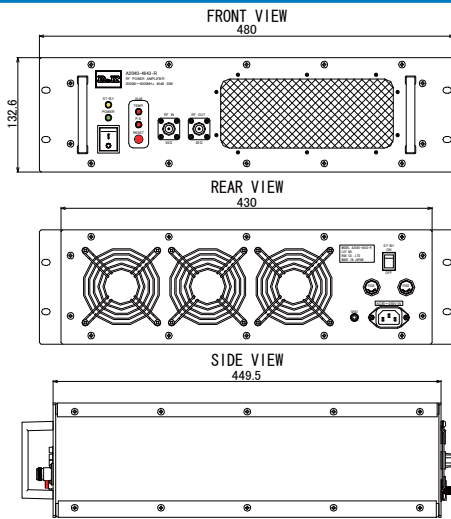


## R&K-A2040-4643-R



### OUTLINE DRAWING

※IN MILLIMETERS



### TYPICAL PERFORMANCE (Temp @+25°C)

- All-Solid-State Amplifier
- Frequency Range : 2000MHz ~ 4000MHz
- Output Power : 20W (min.) @1dB Comp.

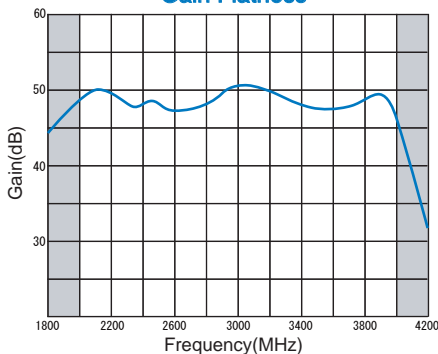
### SPECIFICATIONS @ +25°C

Frequency Range	: 2000MHz ~ 4000MHz
Small Signal Gain	: +46.0dB (min.)
Gain Flatness	: ±2.0dB (max.)
Output Power	: 20W (min.) @1dB Comp.
Output I.C.P	: +53.0dBm (typ.)
Harmonics	: -18.0dBc (max.) @Po=20W
Spurious	: -60.0dBc (max.) @Po=20W
Operation Mode	: Class A
Impedance	: 50Ω
Input VSWR	: 2.5 (max.)
Output VSWR	: 2.5 (max.)
AC Supply Input	: AC85V~250V/1φ, 50/60Hz, 1kVA
Maximum RF Input Power	: 0dBm
Operating Temperature	: -10°C to +45°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 Voltage Abnormality Protection With Output Circulator
Other	

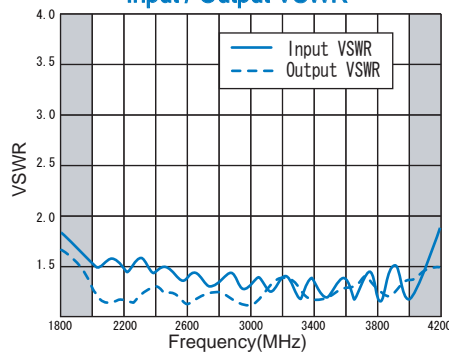
### HOW TO ORDER

Model Name  
R&K-A2040-4643-R No Option

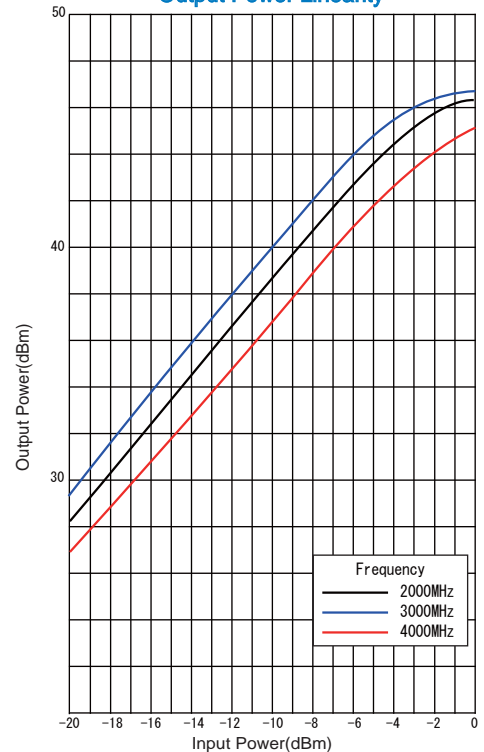
Gain Flatness



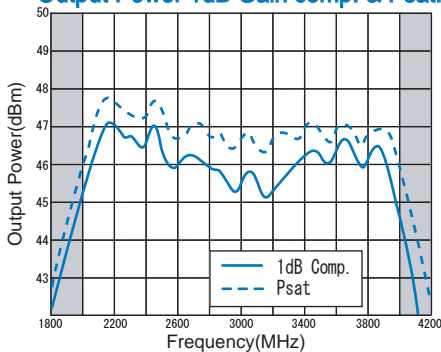
Input / Output VSWR



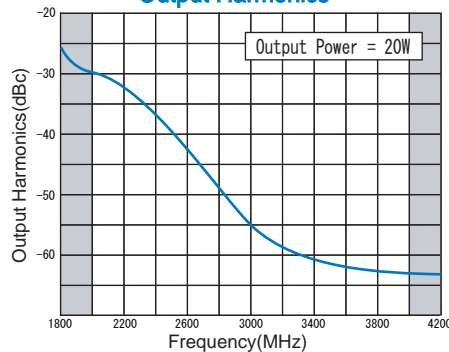
Output Power Linearity



Output Power 1dB Gain comp. & Psat.



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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