

# RF POWER AMPLIFIER

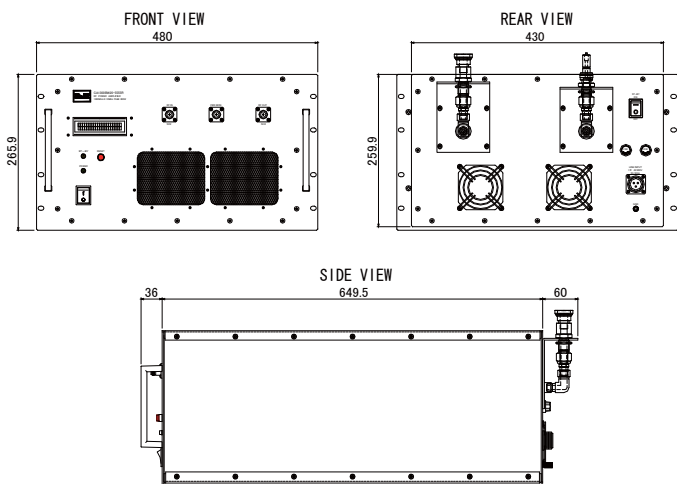


## R&K-A1300BW20-5555R



### OUTLINE DRAWING

※ IN MILLIMETERS



- Class A Linear Solid-State Amplifier
- Frequency Range : 1300MHz ± 10MHz
- Output Power : 300W (min.) @ 1dB Comp.

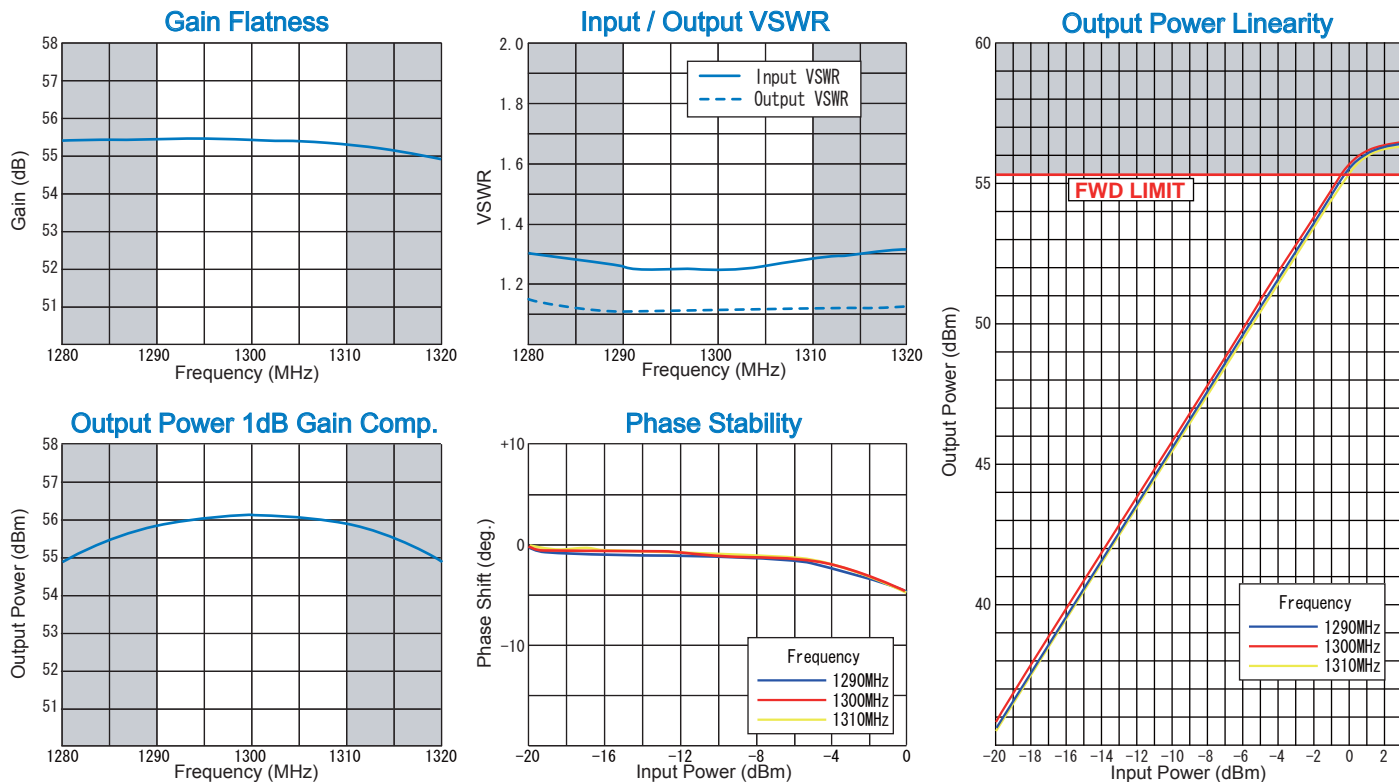
### SPECIFICATIONS @ +25°C

Frequency Range	: 1300MHz ± 10MHz
Small Signal Gain	: +55.0dB (min.)
Gain Flatness	: ± 0.3dB (max.)
Output Power	: 300W (min.) @ 1dB Comp.
Operation Mode	: Class A
Phase Stability	: ± 5°
Harmonics	: -25.0dBc (max.) @ Po=300W
Spurious	: -60.0dBc (max.) @ Po=300W
Impedance	: 50Ω
Input VSWR	: 1.5 (max.)
Output VSWR	: 1.8 (max.)
Maximum RF Input Power	: +3.0dBm
AC Supply Input	: AC200V ± 10% / 1φ, 50/60Hz, 2.5kVA
Operating Temperature	: 0°C to +35°C
Storage Temperature	: -15°C to +55°C
Connectors	: RF - IN N - FEMALE RF - OUT N - FEMALE
Size	: (W)480mm × (D)649.5mm × (H)265.9mm
Weight	: 50.0kg (max.)
Cooling	: Forced Air Cooling and Water Cooling
Protection Circuits	: Over Temperature Protection Power Supply Voltage Protection Output Over Power Protection Output Over Reflection Power Protection
Metering	: R&K Digital Panel Metering System
Other	: With Output Circulator

### HOW TO ORDER

Model Name  
R&K-A1300BW20-5555R No Option

### TYPICAL PERFORMANCE (Temp @ +25°C)



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.

## R&K Company Limited

721-1 Maeda, Fuji-City, Shizuoka-Pref. 416-8577 Japan  
Tel : +81-545-31-2600 E-mail : info@rkco.jp  
Fax : +81-545-31-1600 URL : http://rk-microwave.com