

# PULSED RF POWER AMPLIFIER



## R&K-GA10000BW500-5959RP



- X-Band All Solid State Amplifier
- Broadband Frequency : 10GHz±0.25GHz
- Output Power : 800W(min.) @Pulse
- With Output Circulator

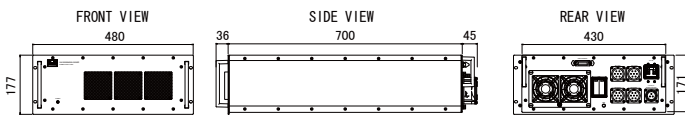
### SPECIFICATIONS @ +25°C

Frequency Range	: 10GHz±250MHz
Small Signal Gain	: +59.0dB (min.)
Gain Flatness	: ±2.5dB (max.)
Output Power	: 800W (min.) @Peak/Pulse(Duty:40%) : 300W (min.) @Peak/CW
Operation Mode	: Class AB
Spurious	: -60.0dBc (max.) @Po=300W@CW
Impedance	: 50Ω
Input Return Loss	: 1.5 (max.)
Output Return Loss	: 2.0 (max.)
Maximum RF Input Power	: +3.0dBm
AC Supply Input	: AC200V±15%/1φ, 50/60Hz, 8kVA
Operating Temperature	: +10°C to +40°C
Storage Temperature	: -15°C to +55°C
Connectors	: RF - IN N - FEMALE RF - OUT WRJ-10
Size	P.S. Unit : (W)480mm×(D)700mm×(H)177mm AMP. Unit : (W)480mm×(D)700mm×(H)266mm
Weight	: 160.0kg (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

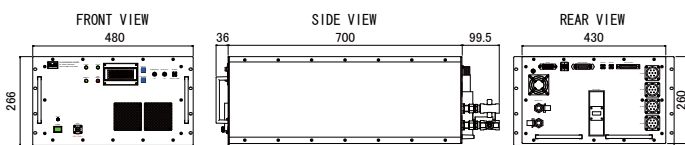
### OUTLINE DRAWING

※ IN MILLIMETERS

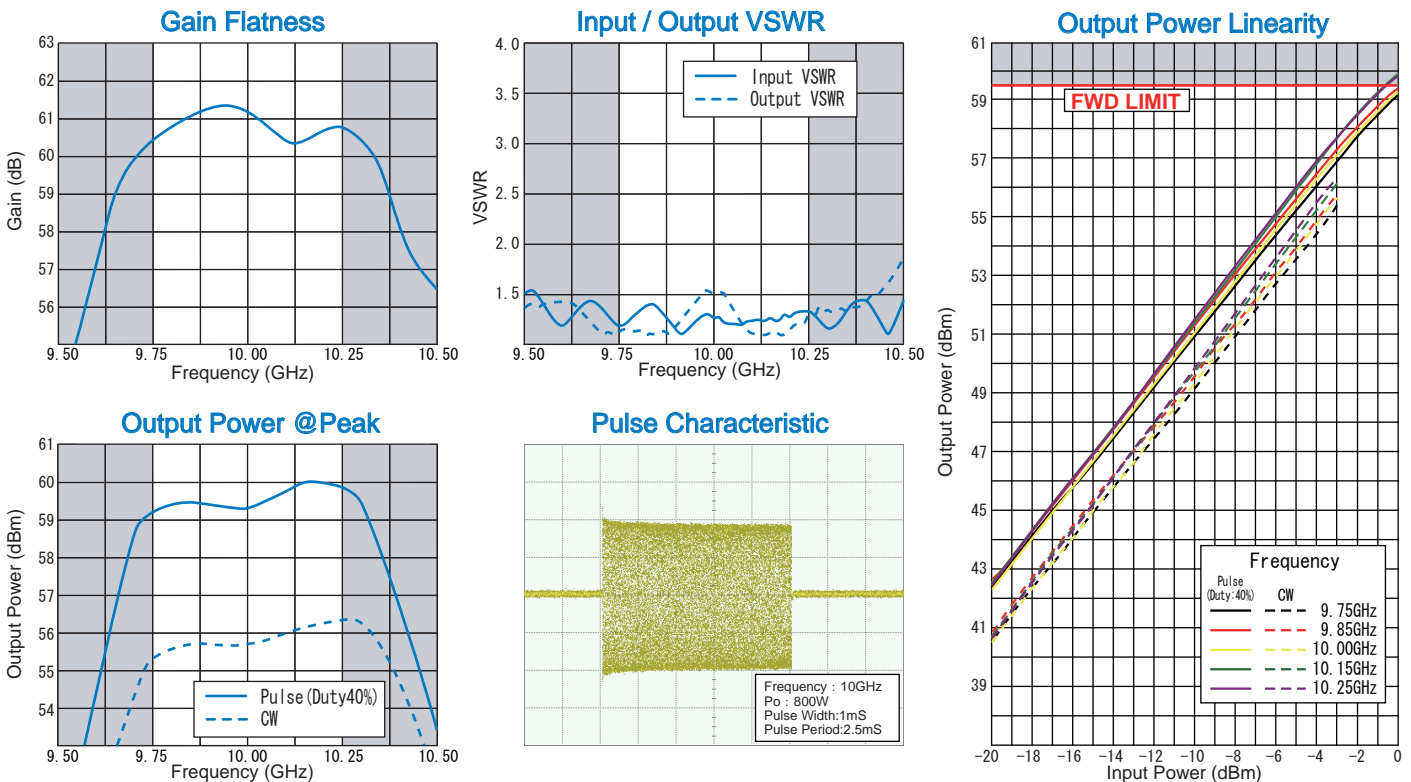
#### P.S. Unit



#### AMP. Unit



### TYPICAL PERFORMANCE (Temp @+25°C)



### HOW TO ORDER

Model Name  
R&K-GA10000BW500-5959RP No Option

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.

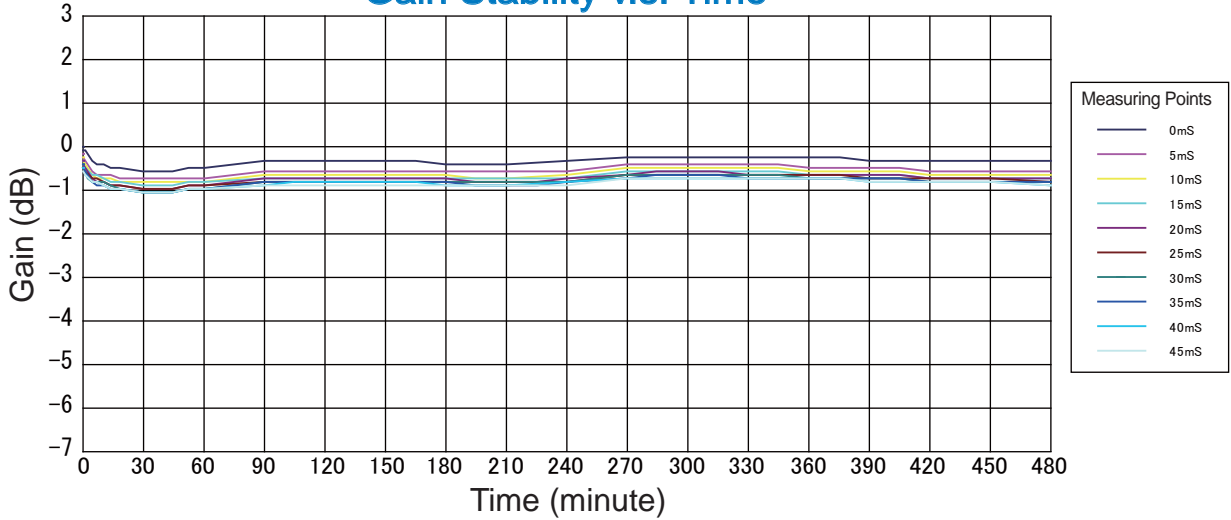
## R&K Company Limited

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Tel : +81-545-31-2600 E-mail : info@rkco.jp  
Fax : +81-545-31-1600 URL : http://rk-microwave.com

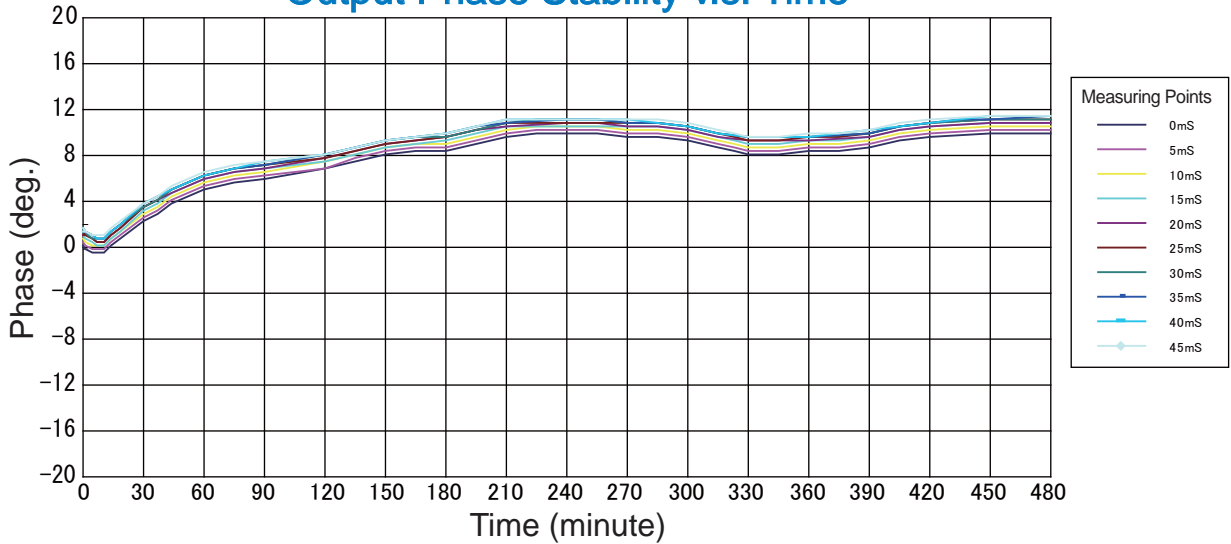
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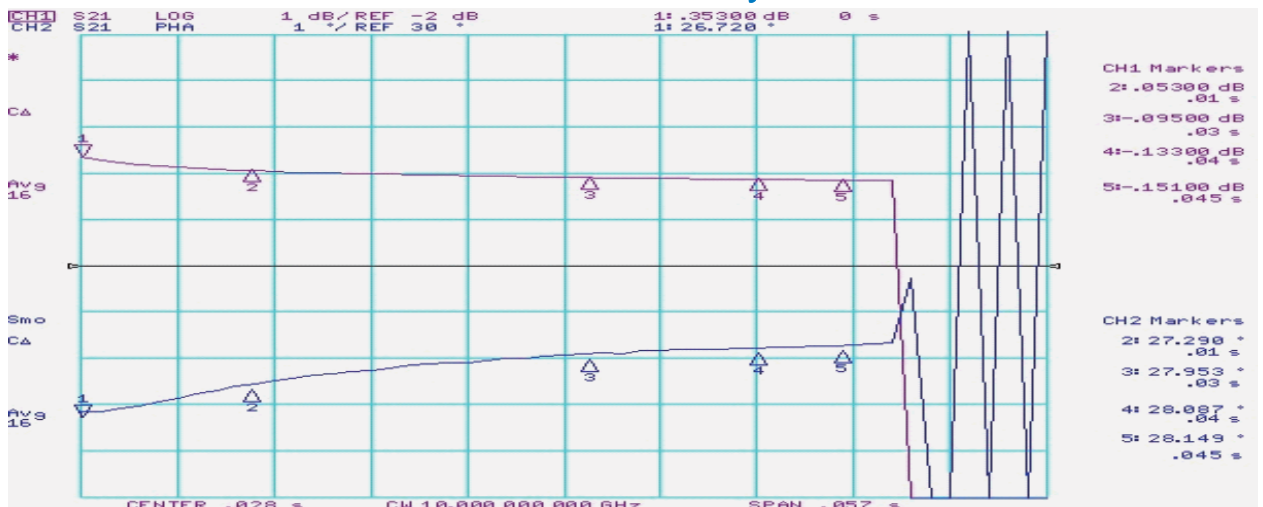
### Gain Stability v.s. Time



### Output Phase Stability v.s. Time



### Gain & Phase Stability



10GHz/Po=800W (Pulse Width:50mS/Pulse Period:125mS)

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