

PULSED RF POWER AMPLIFIER



R&K-A200BW0.4-2267RP



- All Solid State RF Pulse Power Amplifier
- Frequency Range : 200MHz ± 0.2MHz
- Output Power : 5kW, Pulse
- ≥ 200kW Output can be achieved by x48 ea.
- Optional Built In Phase/Level Stabilizer !
- Optional Gain for Optimum Performance !
- Very Low Phase Noise $\leq -146\text{dBm/Hz}@G=+22\text{dB}$

SPECIFICATIONS @ +25°C

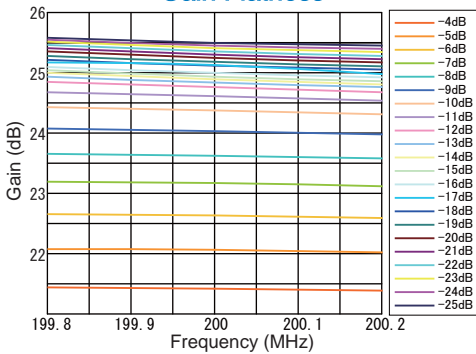
Frequency Range	: 200MHz ± 0.2MHz
Small Signal Gain	: +22dB @Po=5kW Gain = T.B.D.
Gain Flatness	: ± 0.3dB(max.) @Po=5kW
Output Power	: >5kW(Peak.) ※Pulse mode Pulse Width : ≤ 1.1mS Duty : ≤ 3.3%
Input VSWR	: 1.5:1(max.)
Output VSWR	: 1.5:1(max.)
AC Supply Input	: AC200V ± 15% 1 φ 50/60Hz Ave. 700W(max.) @Po=5kW Peak 2.1kW(max.) @Po=5kW
Connectors	: Input SMA-Female Output N-Female Blanking BNC-Female
Size	: (W)120mm×(D)800mm×(H)250mm
Cooling	: Forced Air Cooling

HOW TO ORDER

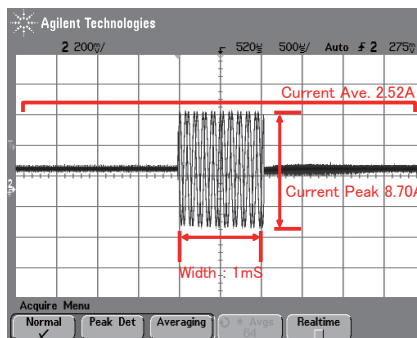
Model Name
R&K-A200BW0.4-2267RP OP **XX** Option: Ask

TYPICAL PERFORMANCE (Temp @+25°C)

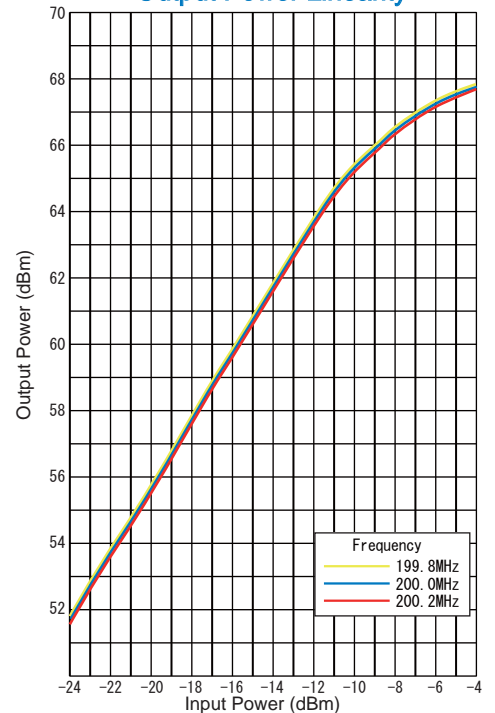
Gain Flatness



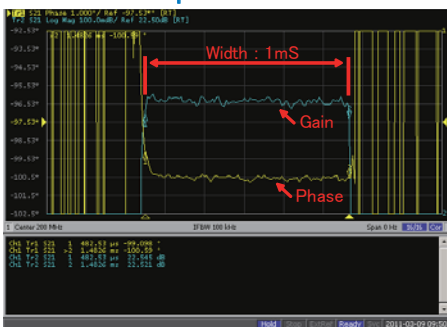
AC Current



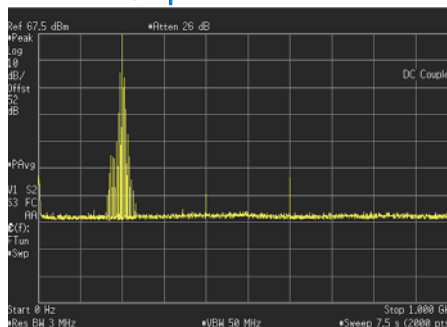
Output Power Linearity



Output Phase



Output Harmonics



Input Signal : Pulse Width 1.05mS / Pulse Period 33.3mS (duty 3.15%) / Gate Blanking : 1.08mS
Structure : RF Switch(SW050) + Driver(ALM0105-4748-SMA) + Final(A200BW0.4-2267RP)

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.

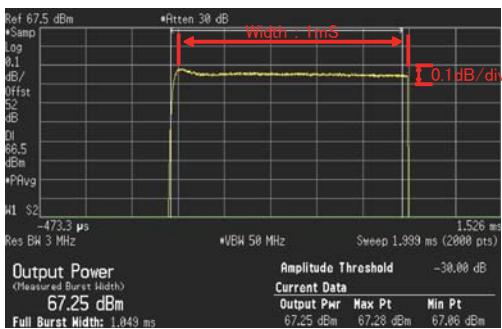
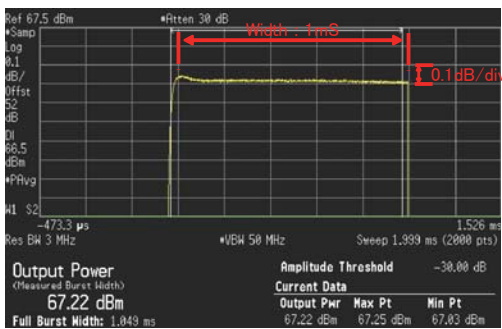
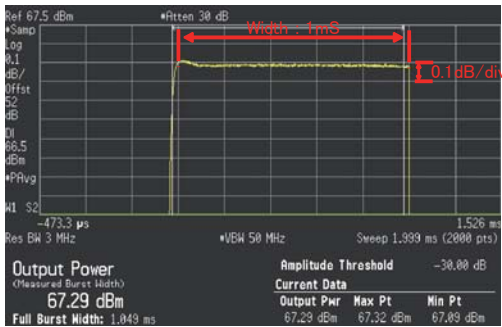
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Fax : +81-545-31-1600 URL : http://rk-microwave.com

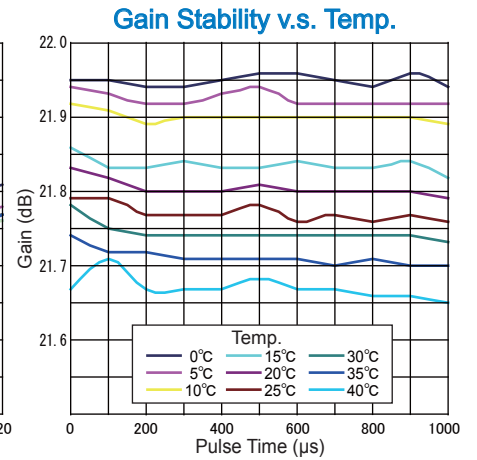
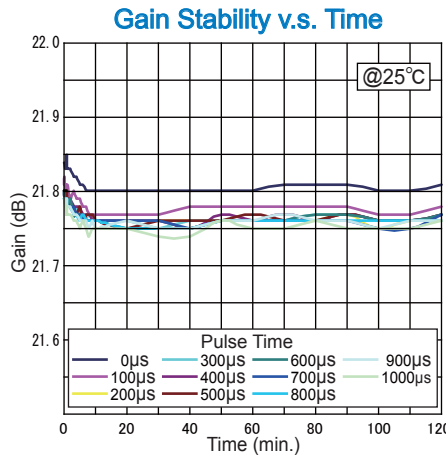
TYPICAL PERFORMANCE (Temp @+25°C)

R&K-CA200BW0.4-2767RP

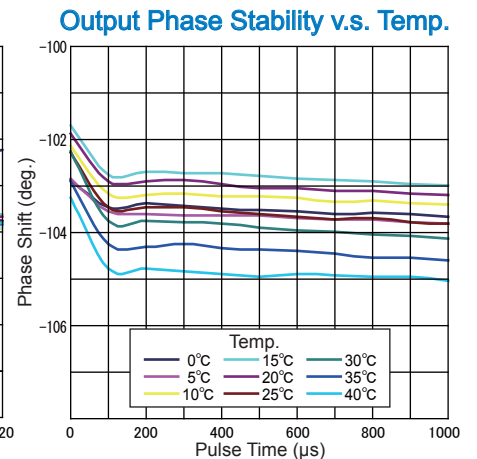
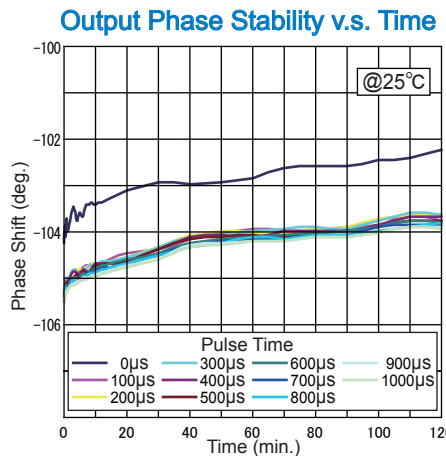
Output RF Pulse



Gain Stability



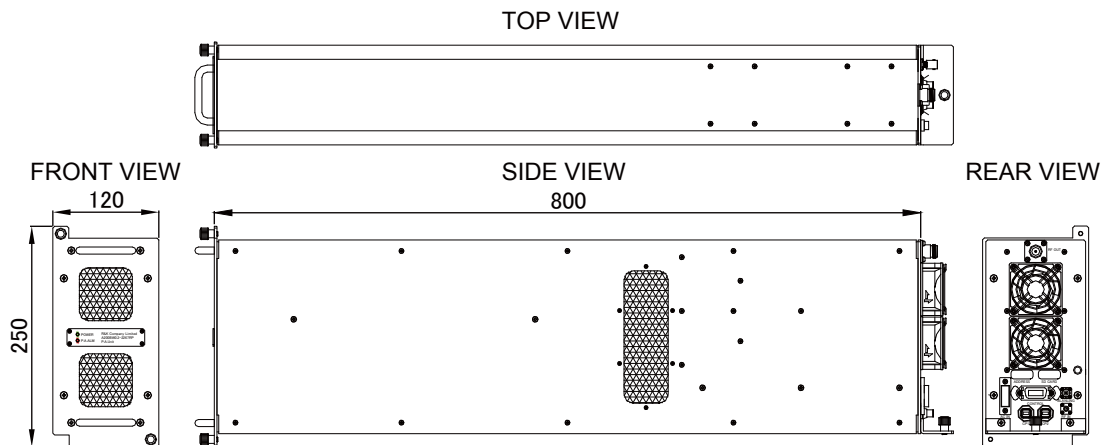
Output Phase Stability



Input Signal : Pulse Width 1.05mS / Pulse Period 33.3mS (duty 3.15%) / Gate Blanking : 1.08mS
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OUTLINE DRAWING

※ IN MILLIMETERS



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