

PULSED RF POWER AMPLIFIER

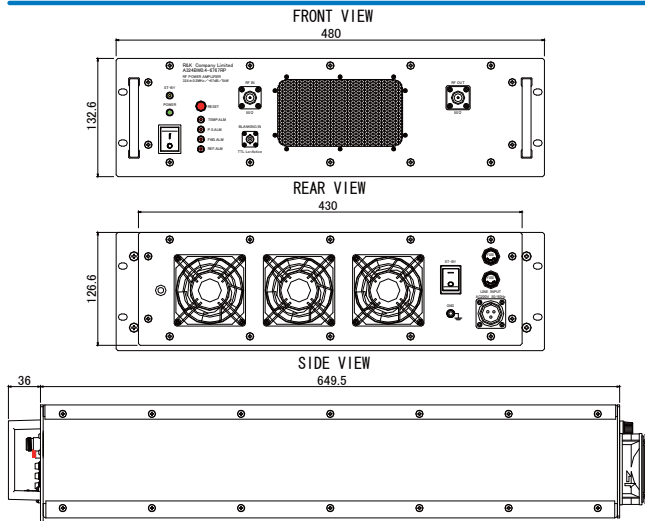


R&K-A324BW0.4-6767RP

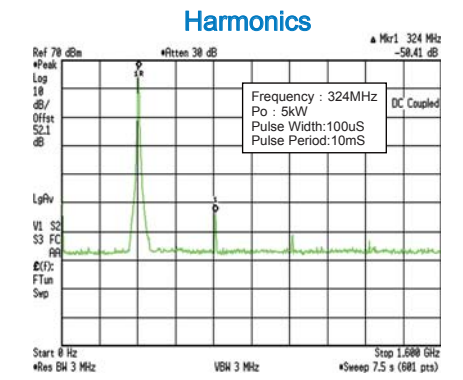
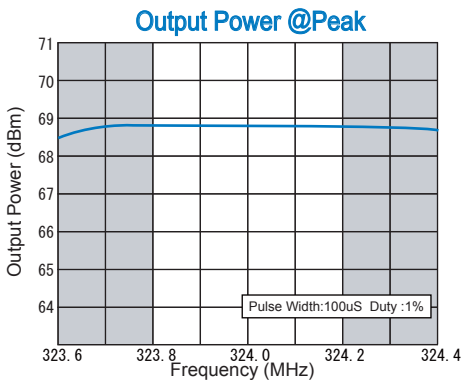
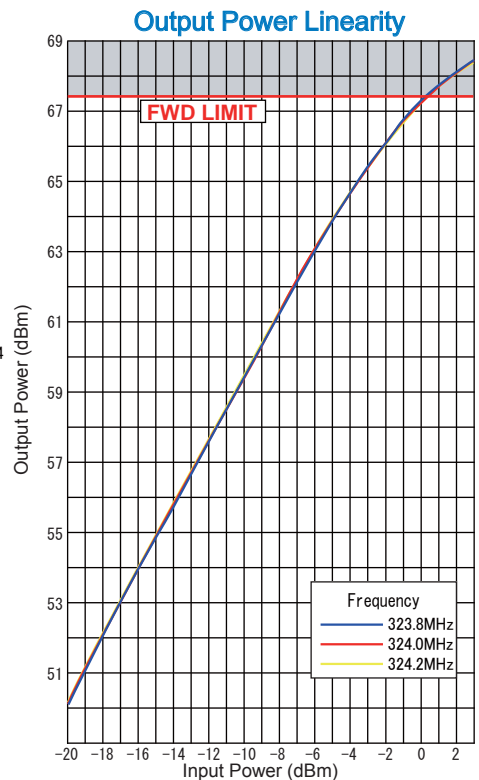
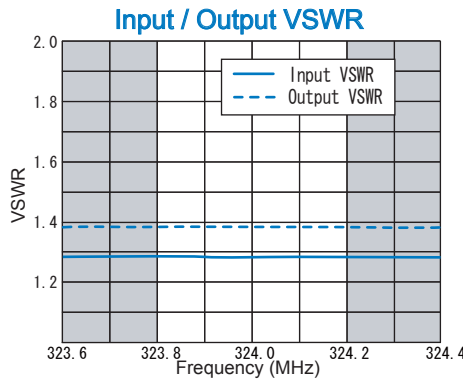
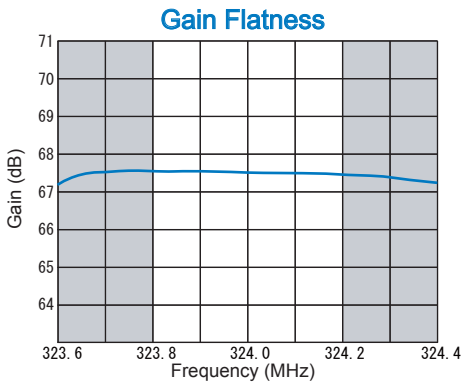


OUTLINE DRAWING

※ IN MILLIMETERS



TYPICAL PERFORMANCE (Temp @+25°C)



- All Solid-State Amplifier
- Frequency Range: 324MHz±0.2MHz
- Output Power : 5kW (min.) @Peak (Pulse)

SPECIFICATIONS @ +25°C

Frequency Range	: 324MHz±0.2MHz
Gain	: +67.0dB (min.) @Po=5kW
Gain Flatness	: ±0.3dB (max.) @Po=5kW
Output Power	: 5kW (min.) @Peak Pulse Width: 100µs Duty: 1%
Operation Mode	: Class AB
Harmonics	: -30.0dBc (max.) @Po=5kW
Spurious	: -65.0dBc (max.) @Po=5kW
Impedance	: 50Ω
Input VSWR	: 1.5 (max.)
Output VSWR	: 2.0 (max.)
Maximum RF Input Power	: +3.0dBm
AC Supply Input	: AC200V ±15%/1φ 50/60Hz Ave. 400VA(max.) @Po=5kW Peak 800VA(max.) @Po=5kW
Operating Temperature	: 0°C to +35°C
Storage Temperature	: -15°C to +55°C
Connectors	: RF - IN N - FEMALE RF - OUT N - FEMALE BLANKING IN BNC - FEMALE
Size	: (W)480mm×(D)649.5mm×(H)132.6mm
Weight	: 30.0kg (max.)
Cooling	: Forced Air Cooling
Protection Circuits	: Over Temperature Protection Power Supply Voltage Protection Output Over Power Protection Output Over Reflection Power Protection With Output Circulator

HOW TO ORDER

Model Name
R&K-A324BW0.4-6767RP 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

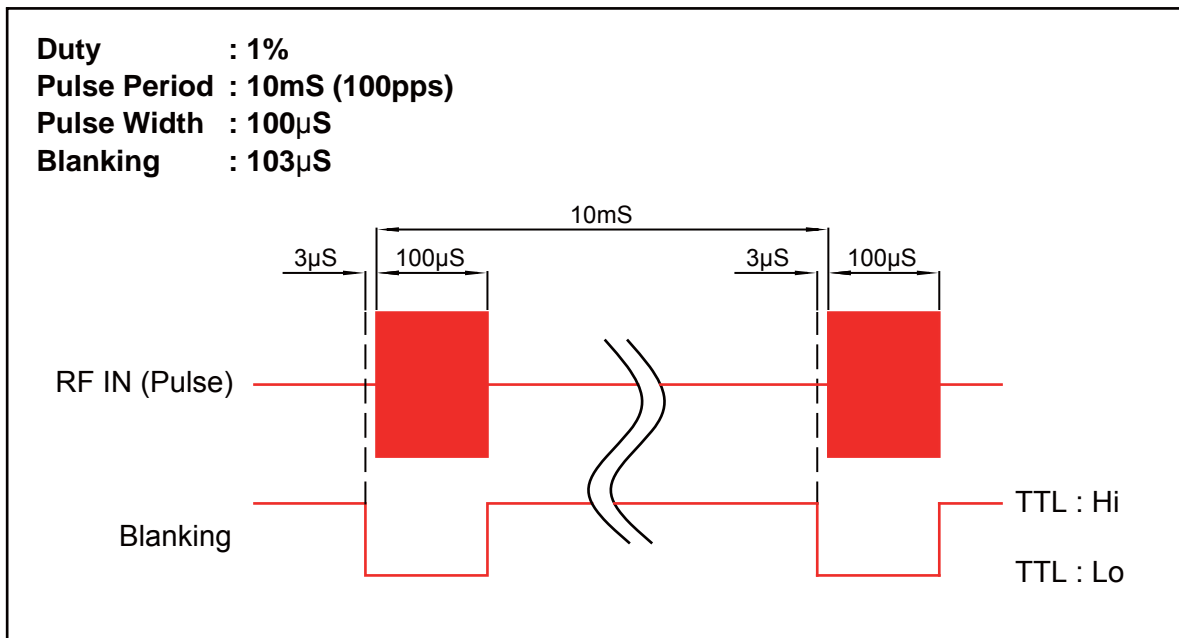
721-1 Maeda, Fuji-City, Shizuoka-Pref. 416-8577 Japan
Tel: +81-545-31-2600 E-mail: info@rkco.jp
Fax: +81-545-31-1600 URL: http://rk-microwave.com

TYPICAL PERFORMANCE (Temp @+25°C)

R&K-A324BW0.4-6767RP

Input / Output Pulse Characteristics

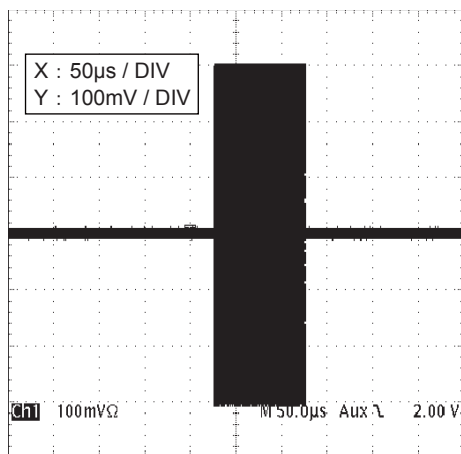
Measuring Points



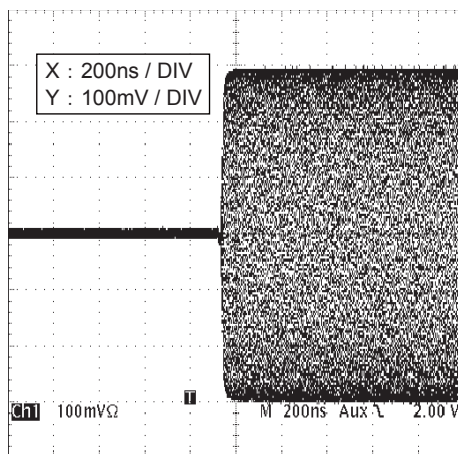
Input Pulse Characteristics

● Frequency: 324.0MHz P_{In}: 0dBm

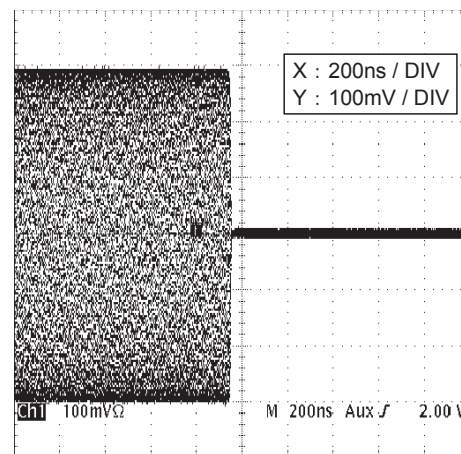
Input Pulse



Pulse Rise



Pulse Fall



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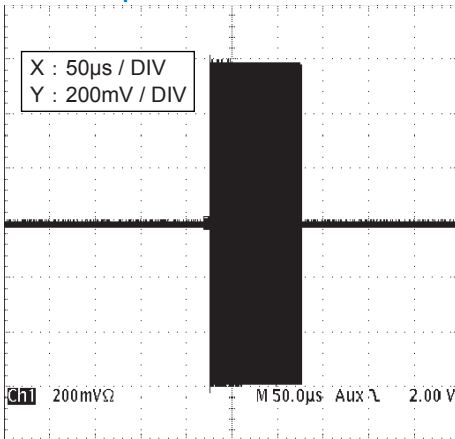
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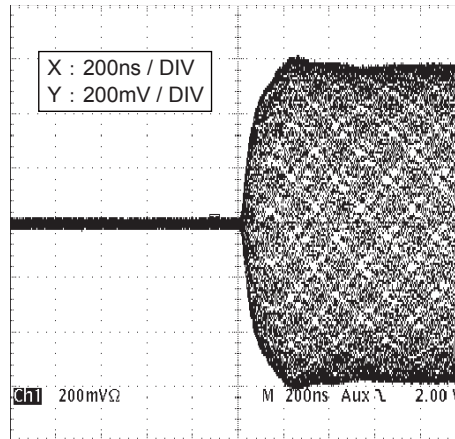
■ Output Pulse Characteristics

● Frequency: 323.8MHz Po: 5kW

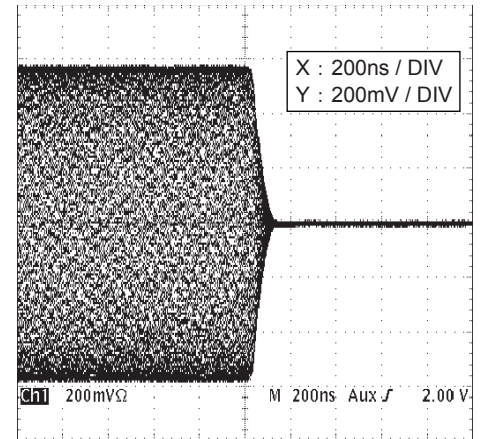
• Output Pulse



• Pulse Rise

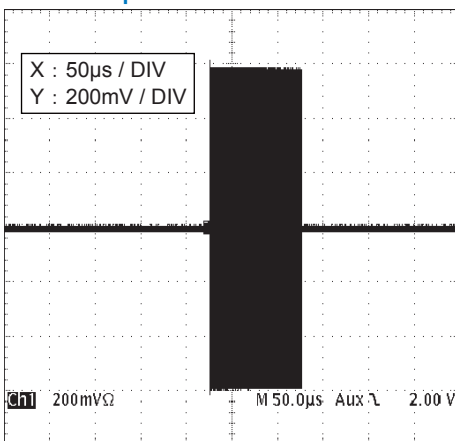


• Pulse Fall

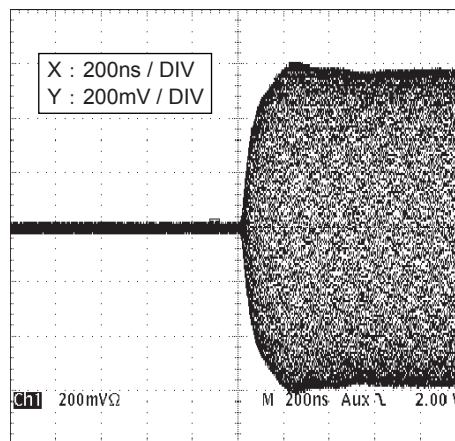


● Frequency: 324.0MHz Po: 5kW

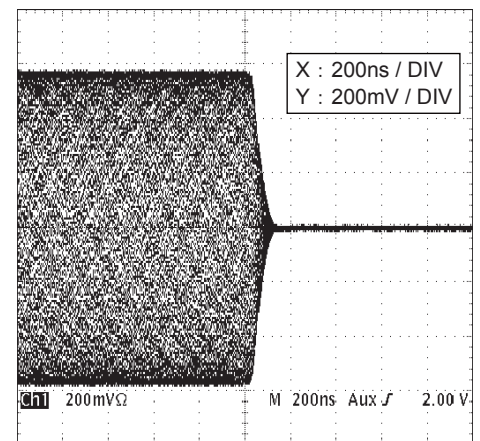
• Output Pulse



• Pulse Rise

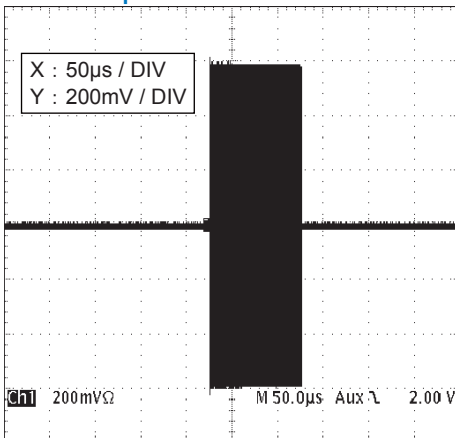


• Pulse Fall

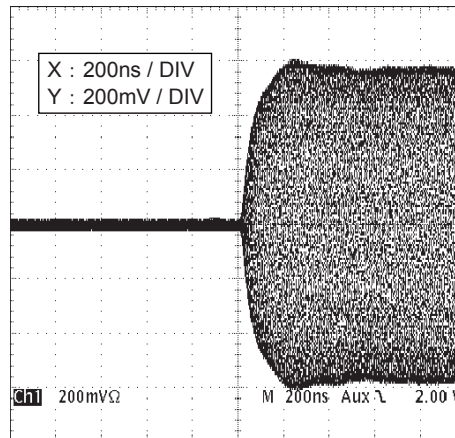


● Frequency: 324.2MHz Po: 5kW

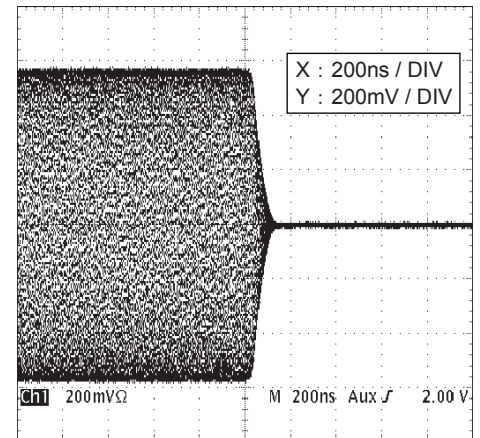
• Output Pulse



• Pulse Rise



• Pulse Fall



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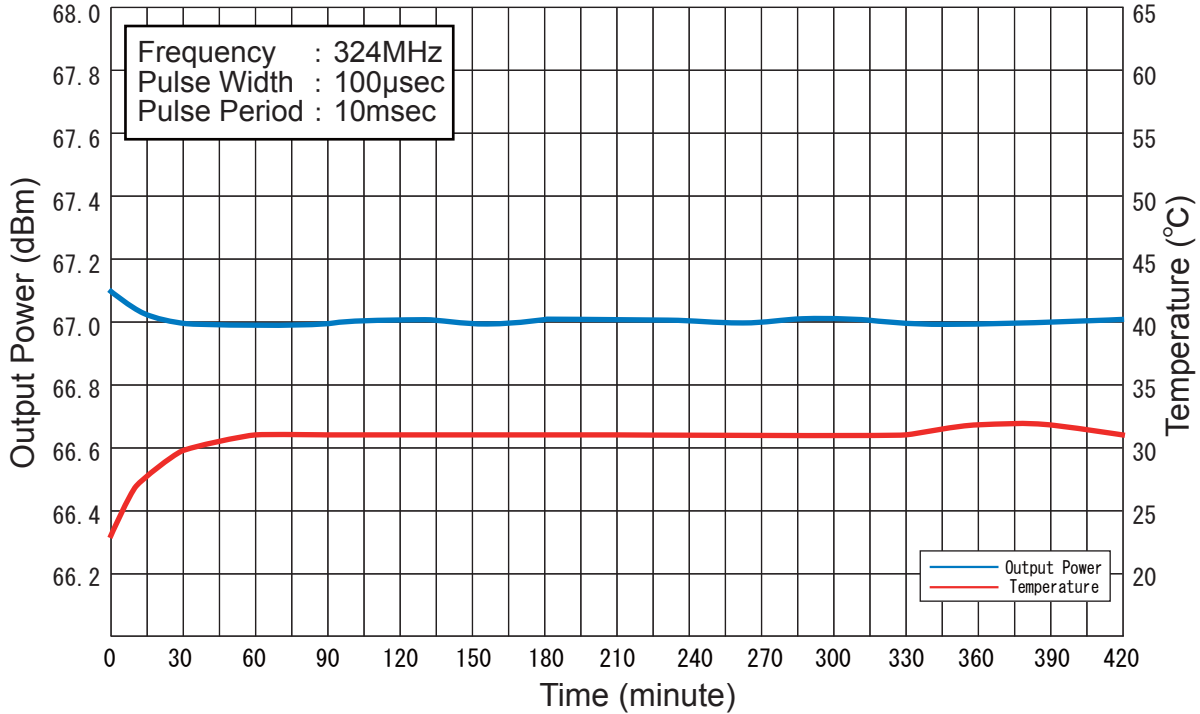
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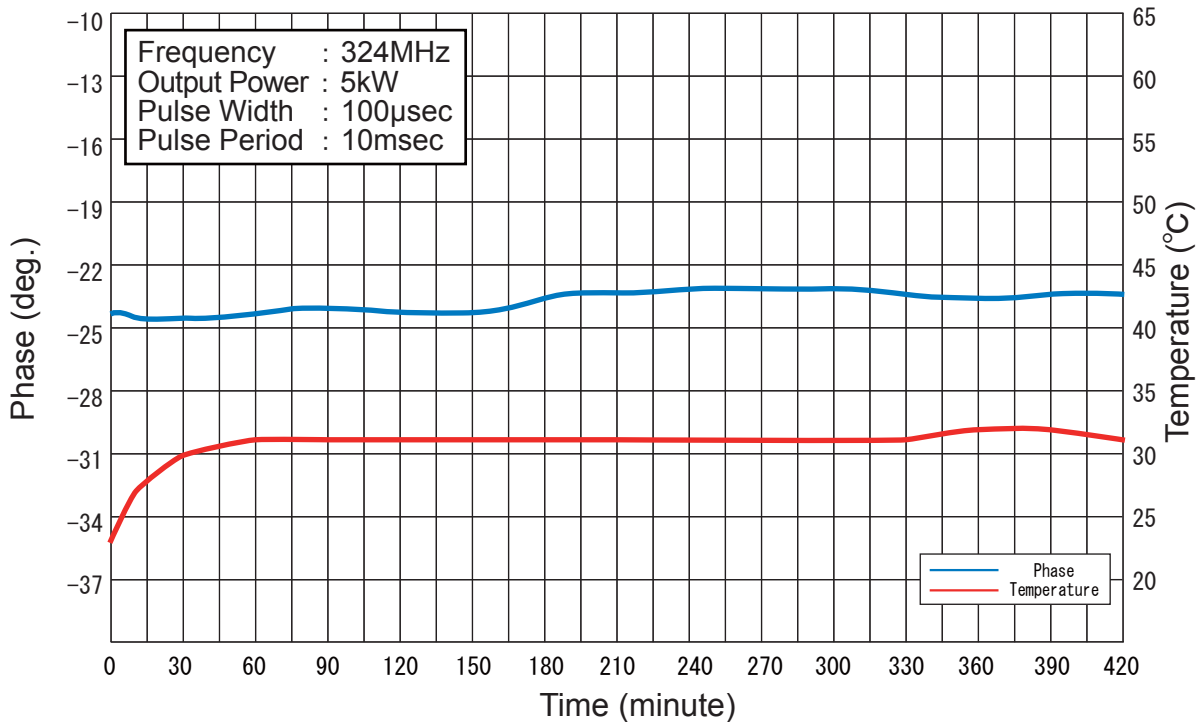
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■ Output Power / Phase Stability

Output Power v.s. Time



Phase Stability v.s. Time



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