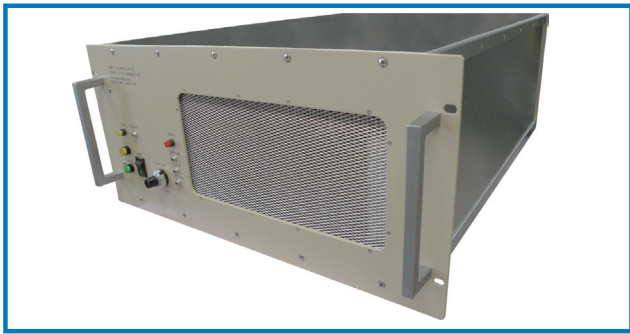


PULSED RF POWER AMPLIFIER

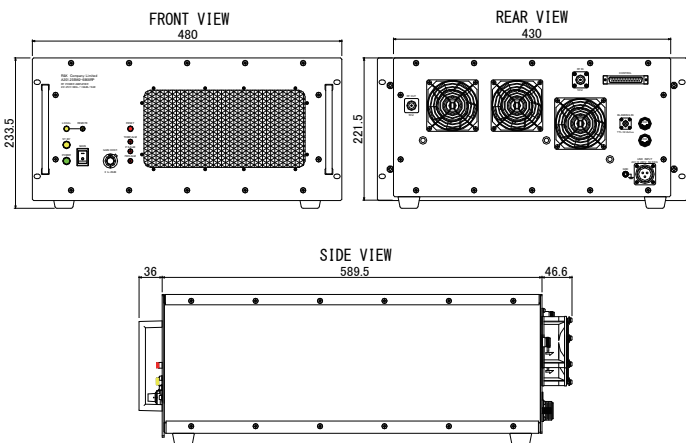


R&K-A201.25BW2-6868RP



OUTLINE DRAWING

※IN MILLIMETERS



- All Solid-State Amplifier
- Frequency Range: 201.25MHz ± 1MHz
- Output Power : 6kW (min.) @Peak (Pulse)

APPLICATION

- Accelerator Application

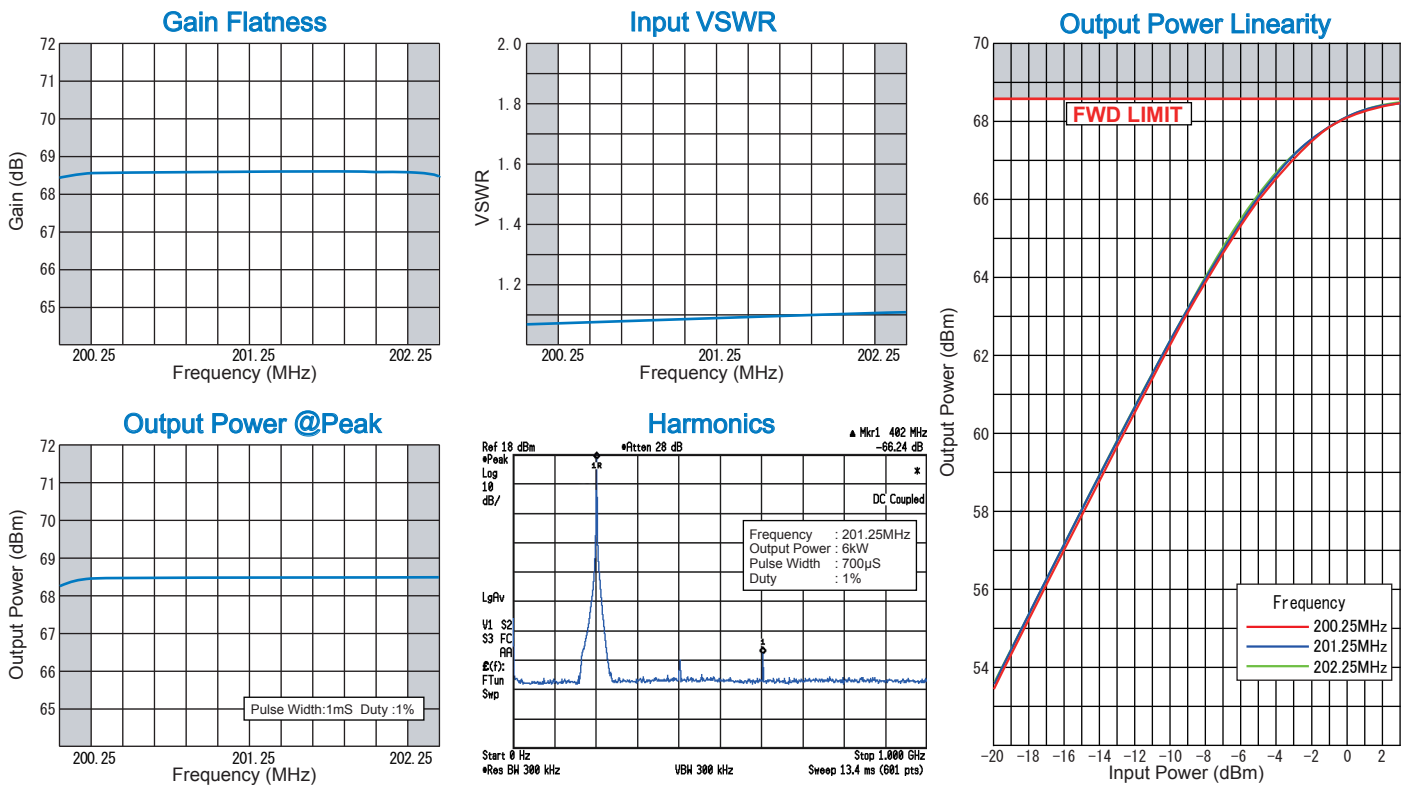
SPECIFICATIONS @ +25°C

Frequency Range	: 201.25MHz ± 1MHz
Gain	: +68.0dB (min.) @Po=6kW
Gain Flatness	: ±0.3dB (max.) @Po=6kW
Output Power	: 6kW (min.) @Peak Pulse Width: 700µs Duty: 1%
Operation Mode	: Class AB
Harmonics	: -30.0dBc (max.) @Po=6kW
Impedance	: 50Ω
Input VSWR	: 1.2 (max.)
Pulse Rise / Fall Time	: 50ns (max.)
Noise Figure	: 10dB (max.)
Maximum RF Input Power	: +3.0dBm
AC Supply Input	: AC110V~240V / 1φ 50/60Hz Ave. 500VA(max.) @Po=6kW Peak 800VA(max.) @Po=6kW
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)589.5mm×(H)221.5mm
Weight	: 40.0kg (max.)
Cooling	: Forced Air Cooling
Protection Circuits	: Over Temperature Protection Power Supply Voltage Protection Output Over Power Protection
Other	: With Output Circulator

HOW TO ORDER

Model Number
R&K-A201.25BW2-6868RP OP XX Option: Ask

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

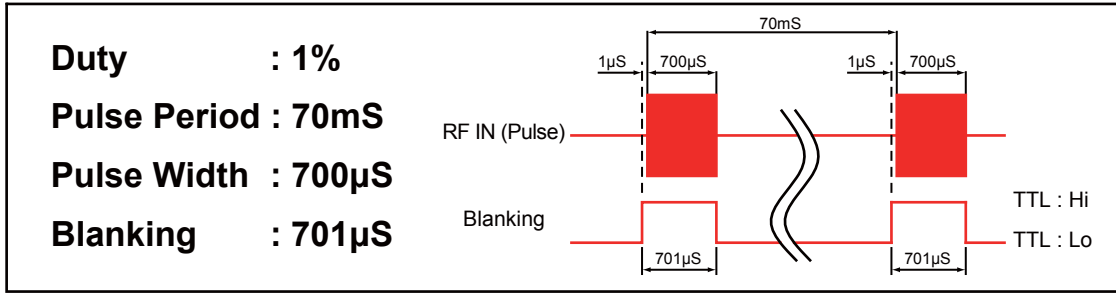
721-1 Maeda, Fuji-City, Shizuoka-Pref. 416-8577 Japan
Tel: +81-545-31-2600 E-mail: info@rkco.jp
Fax: +81-545-31-1600 URL: http://rk-microwave.com

TYPICAL PERFORMANCE (Temp @+25°C)

R&K-A201.25BW2-6868RP

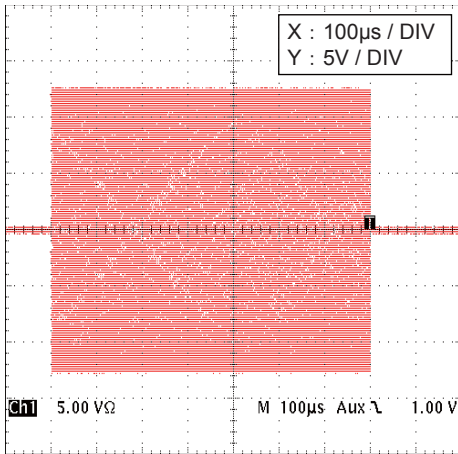
Output Pulse Characteristics

Measuring Points

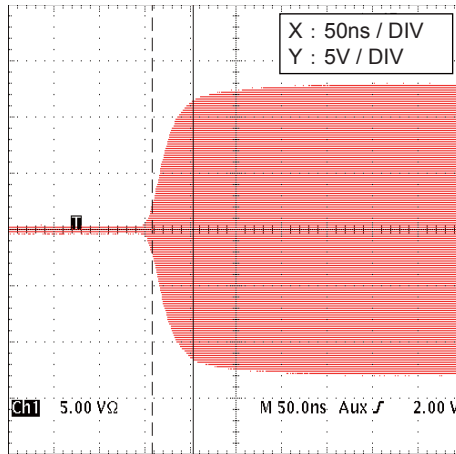


●Frequency:201.25MHz Po:6kW

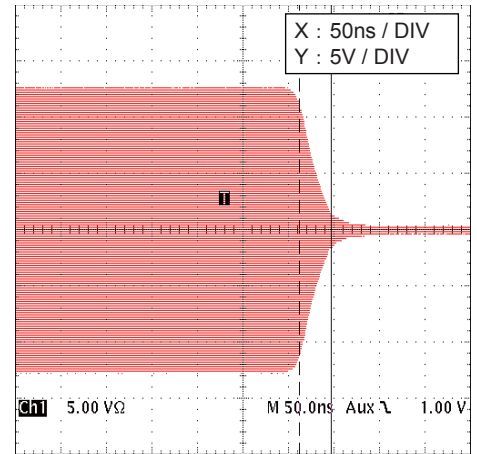
• Output Pulse



• Pulse Rise

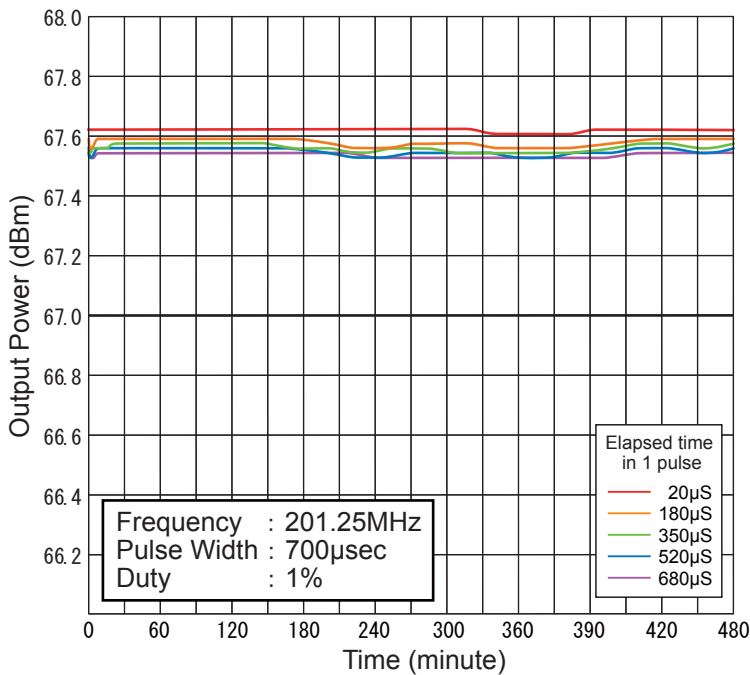


• Pulse Fall

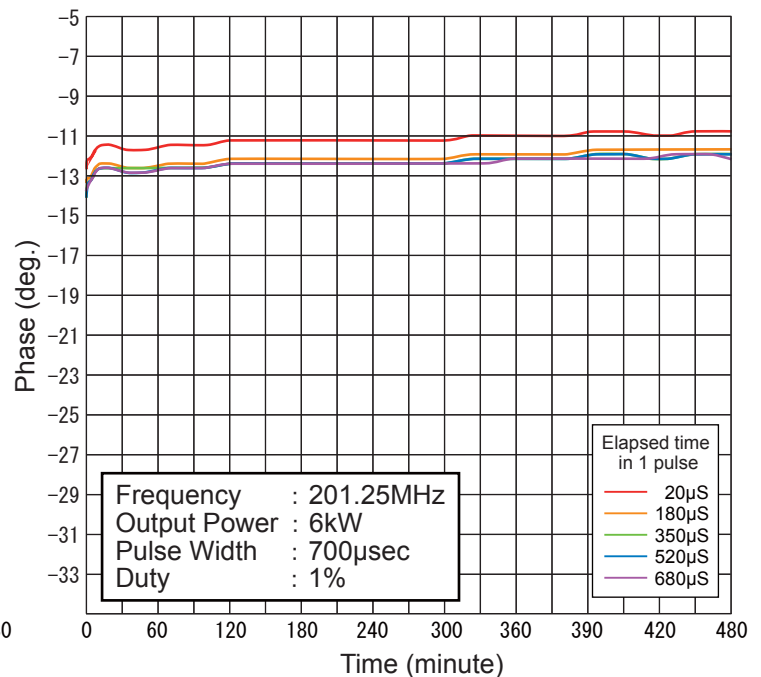


Output Power / Phase Stability

Output Power Stability



Phase Stability



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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