

A009K321-6060R



- Class A Linear Solid-State Amplifier
- Broadband Frequency: 9kHz~320MHz
- Output Power (CW) : 1kW (typ.) @1dB Comp.

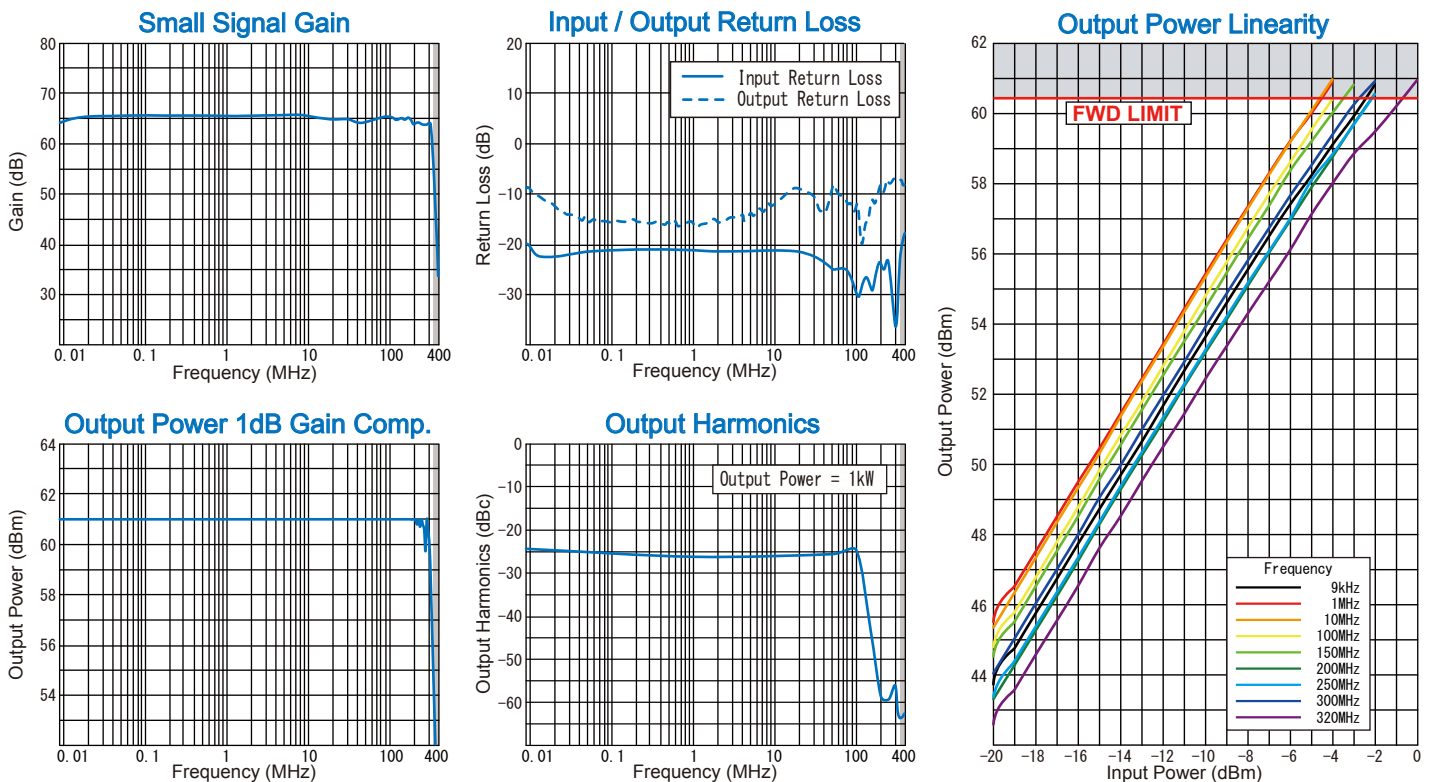
APPLICATION

- Accelerator (Bunch-Beam-FeedBack)
- Etc...

SPECIFICATIONS @ +25°C

| | |
|------------------------|--|
| Frequency Range | : 9kHz ~ 320MHz |
| Small Signal Gain | : +60.0dB (min.) |
| Gain Flatness | : ±2.0dB (max.) |
| Output Power (CW) | : 1kW (typ.), 800W (min.) @1dB Comp. |
| Operation Mode | : Class A |
| Harmonics | : -20.0dBc (max.) @Po=1kW |
| Spurious | : -70.0dBc (max.) @Po=1kW |
| Impedance | : 50Ω |
| Input Return Loss | : 14dB (min.) / VSWR : 1.5 (max.) |
| Maximum RF Input Power | : +1.0dBm |
| AC Supply Input | : AC200V±15%/3φ *Delta Connection, 50/60Hz 12.5kVA(max.) |
| Operating Temperature | : 0°C to +35°C |
| Storage Temperature | : -15°C to +65°C |
| Connectors | : RF - IN N - FEMALE @REAR PANEL RF - OUT 7/16" - FEMALE @REAR PANEL |
| Size | Control Unit : (W)440mm × (D)850mm × (H)177mm(EIA:4U) Combiner Unit : (W)440mm × (D)850mm × (H)177mm(EIA:4U) Final Amplifier Unit : (W)440mm × (D)850mm × (H)310.4mm(EIA:7U) *Excluding Projection |
| Weight | : 124kg (typ.) |
| Cooling | : Forced Air Cooling |
| Protection Circuits | : Over Temperature Protection Power Supply Voltage Protection Output Over Power Protection(@1.1kW) Output Over Reflected Power Protection(@600W) |
| Remote Interface | : [Standard] GPIB (IEEE-488) [Optional] Ethernet, RS-232C |
| Other Functions | : R&K Multi Monitoring (Each 1data@SD-Card/sec.) Forward Power Metering Data Reflection Power Metering Data +50V Device Voltage Monitoring (× 2ea.) +50V Device Current Monitoring (× 10ea.) HeatSink Temperature Monitoring (× 4ea.) Safety Interlock(EMERGENCY BNC INPUT) (× 1ea.) |

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, the export of R&K products from Japan may be subject to an export license by the government of Japan, based on Japan's "Foreign Exchange and Foreign Trade Law".

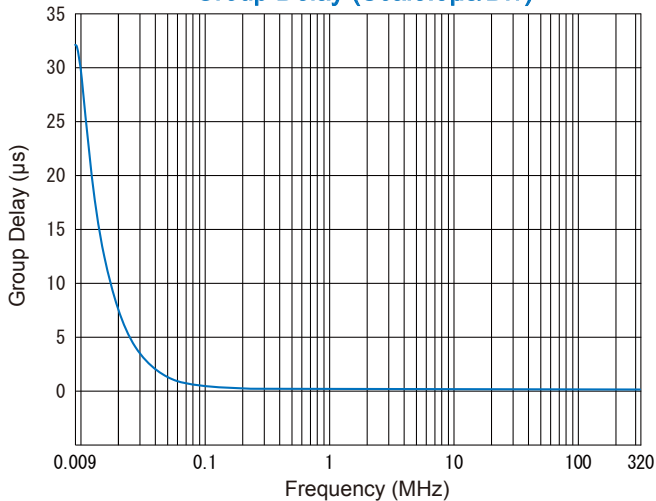
R&K Company Limited

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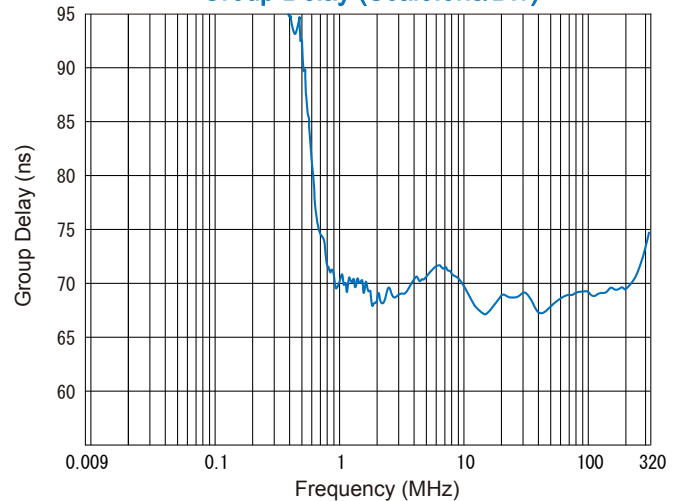
TYPICAL PERFORMANCE (Temp @+25°C)

R&K-A009K321-6060R

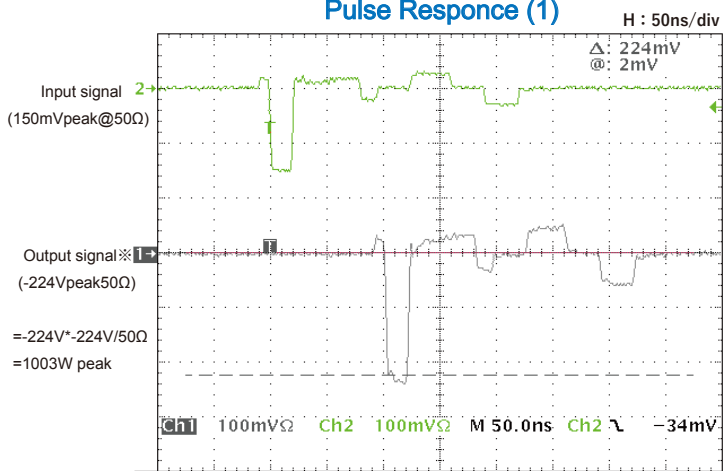
Group Delay (Scale:5μs/Div)



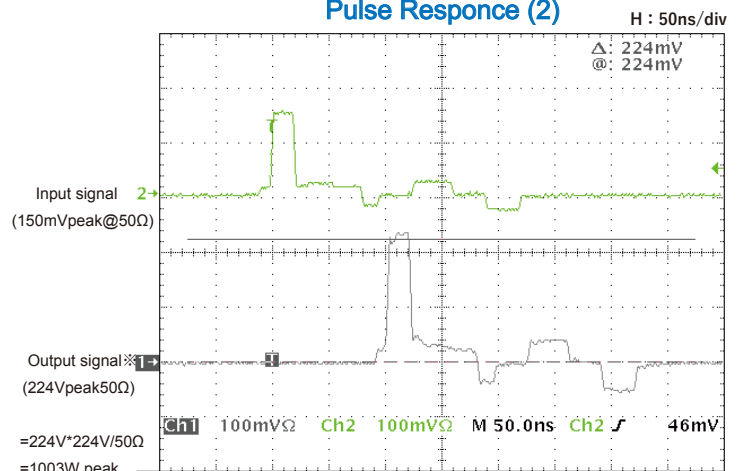
Group Delay (Scale:5ns/Div)



Pulse Response (1)



Pulse Response (2)

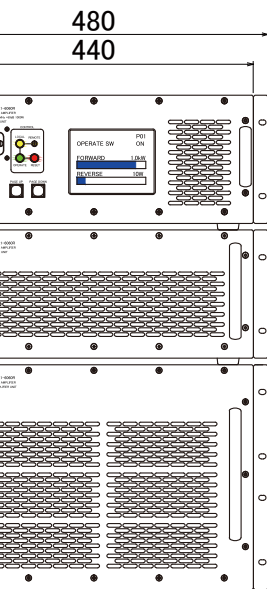


※Attenuation 1/1000(-60dB)

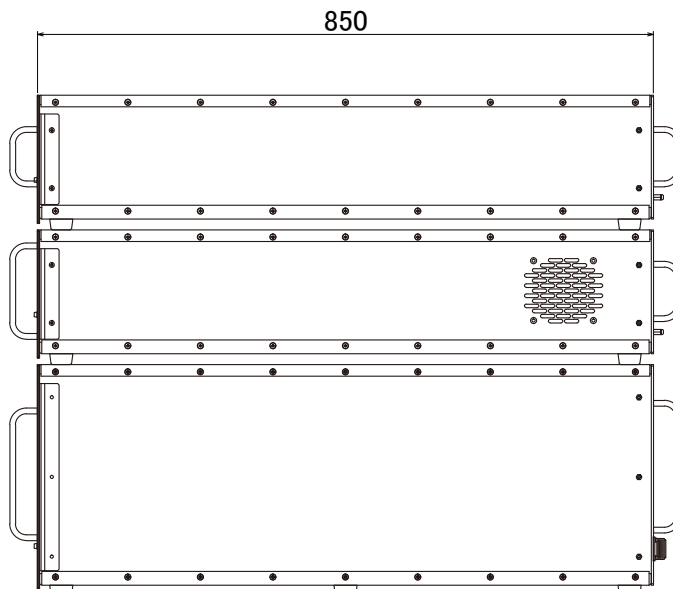
OUTLINE DRAWING

※IN MILLIMETERS

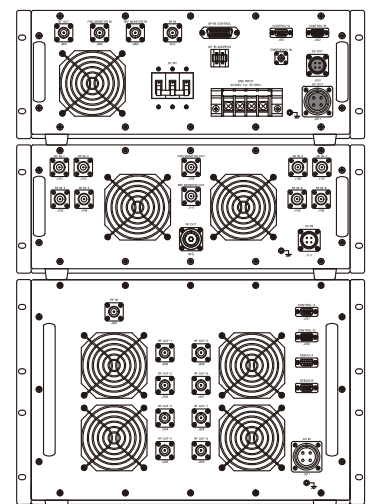
FRONT VIEW



SIDE VIEW



REAR VIEW



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