

RF POWER AMPLIFIER



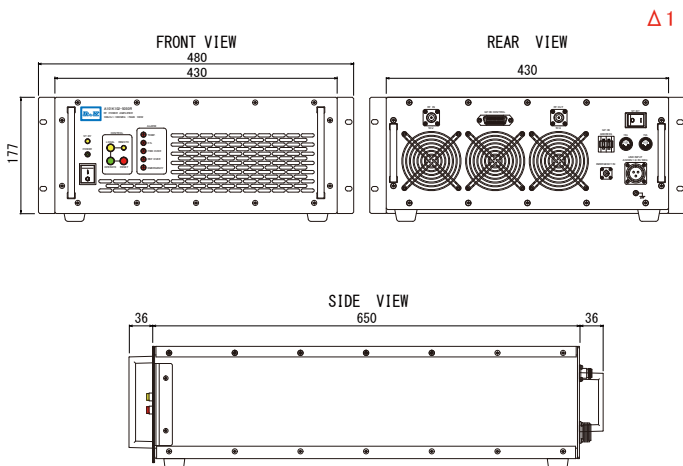
2018 Model

R&K-A101K102-5050R



OUTLINE DRAWING

※IN MILLIMETERS



- Class A Linear Solid-State Amplifier
- Broadband Frequency: 100kHz~1000MHz
- Output Power (CW) : 100W (min.) @3dB Comp.

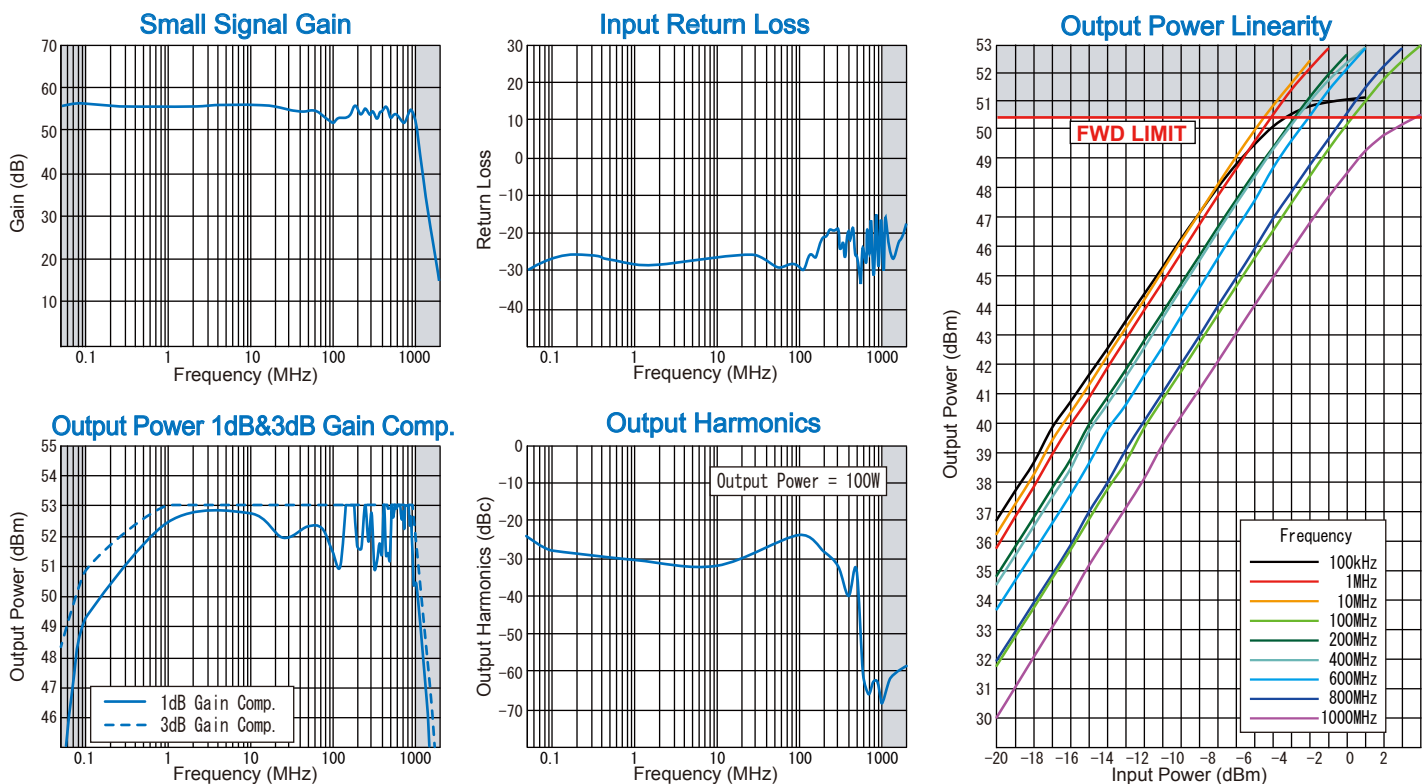
APPLICATION

- EMC(Electromagnetic Compatibility)
- Accelerator Application
- Telecommunication Test and Measurement Application
- Etc...

SPECIFICATIONS @ +25°C

Frequency Range	: 100kHz ~ 1000MHz
Small Signal Gain	: +50.0dB (min.)
Gain Flatness	: ±3.0dB (max.)
Output Power (CW)	: 80W (min.) @1dB Comp. 100W (min.) @3dB Comp.
Harmonics	: -20.0dBc (max.) @Po=100W
Spurious	: -75.0dBc (max.) @Po=100W
Impedance	: 50 Ω
Input Return Loss	: 14.0dB (min.) / VSWR : 1.5 (max.)
Maximum RF Input Power	: +3dBm
AC Supply Input	: AC200V±15% / 1φ, 50/60Hz, 1.6kVA Δ1
Operating Temperature	: -10°C to +40°C
Storage Temperature	: -15°C to +65°C
Connectors	: RF-IN N-FEMALE @REAR PANEL RF-OUT N-FEMALE @REAR PANEL
Size	: (W)430mm×(D)650mm×(H)177mm(EIA:4U) *Excluding Projection
Weight	: 32.0kg (typ.)
Cooling	: Forced Air Cooling
Protection Circuits	: Over Temperature Protection Power Supply Voltage Protection Output Over Power Protection(@110W) Output Over Reflected Power Protection(@60W)
Remote Interface	: [Standard] GP-IB (IEEE-488) [Optional] Ethernet, RS-232C
Other Function	: Safety Interlock(EMERGENCY)

TYPICAL PERFORMANCE (Temp @+25°C)



* CHANGE Δ1 25/Dec./2019

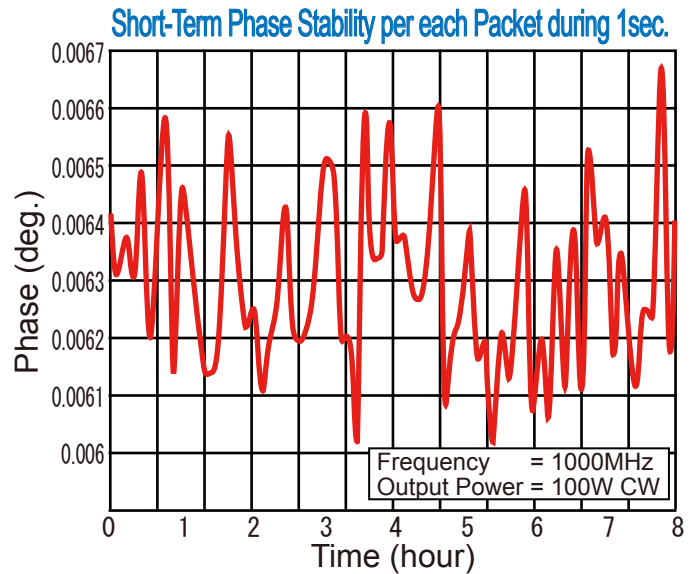
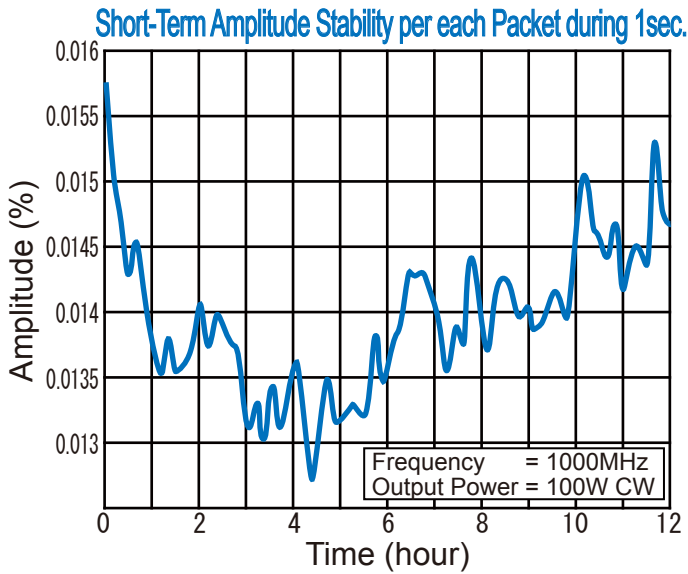
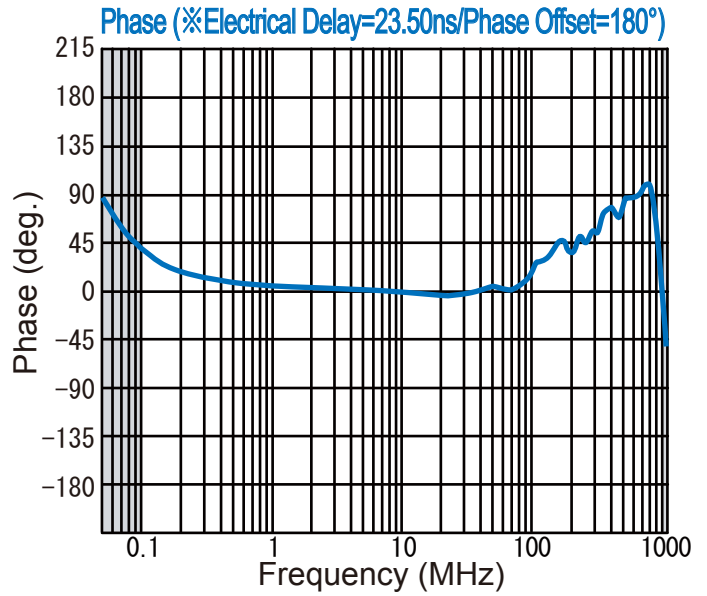
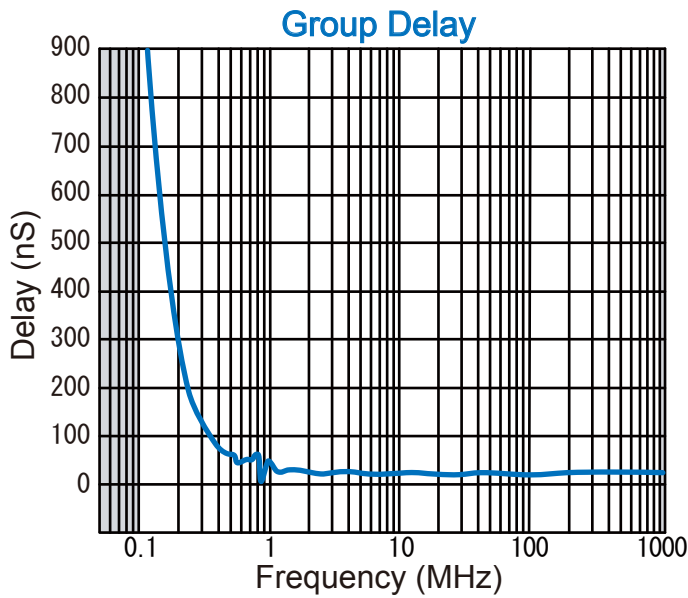
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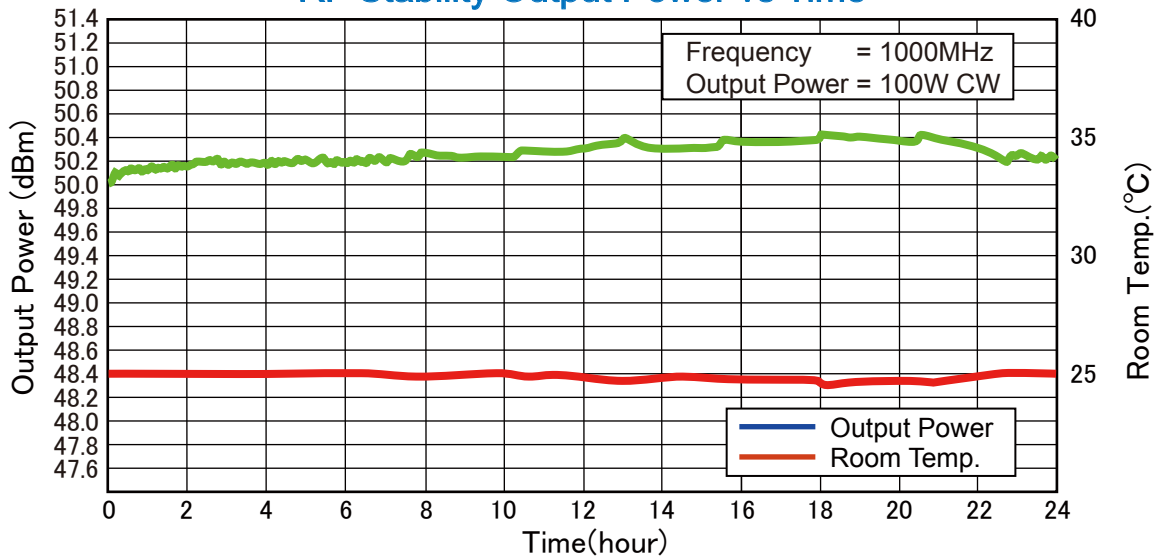
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TYPICAL PERFORMANCE (Temp @+25°C)

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RF Stability Output Power vs Time



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