

HIGH POWER AMPLIFIER

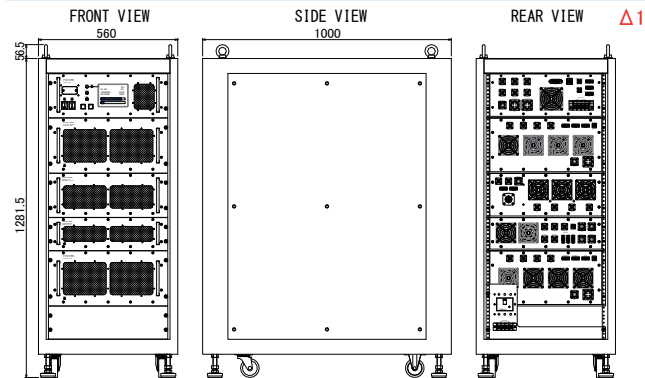


R&K-A101K101-6565R



OUTLINE DRAWING

※IN MILLIMETERS



TYPICAL PERFORMANCE (Temp @+25°C)

- All Solid-State Amplifier
- Broadband Frequency: 100kHz ~ 100MHz
- Output Power : 3kW (min.) @3dB Comp.
- Building Block Construction

APPLICATION

- Accelerator Application

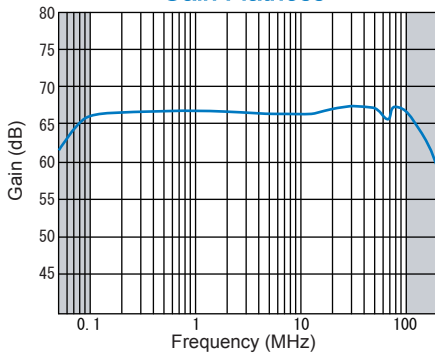
SPECIFICATIONS @ +25°C

Frequency Range	: 100kHz ~ 100MHz
Small Signal Gain	: +65.0dB (min.)
Gain Flatness	: ±2.0dB (max.)
Output Power	: 3kW (min.) @3dB Comp.
Operation Mode	: Class AB
Harmonics	: -15.0dBc (max.) @Po=3kW
Spurious	: -60.0dBc (max.) @Po=3kW
Impedance	: 50Ω
Input VSWR	: 2.0 (max.)
Output VSWR	: 3.0 (max.)
Maximum RF Input Power	: +3.0dBm
AC Supply Input	: AC200V ± 15% / 3φ, 50/60Hz, 17.3kVA
Operating Temperature	: 0°C to +35°C
Storage Temperature	: -15°C to +55°C
Connectors	: RF - IN N - FEMALE RF - OUT 7/16 - FEMALE
Size	: (W)560mm × (D)1000mm × (H)1281.5mm (Excluding Projection) ▲1
Weight	: 350.0kg (max.)
Cooling	: Forced Air Cooling
Protection Circuits	: Over Temperature Protection Power Supply Voltage Protection Output Over Power Protection Output Over Reflection Power Protection
Others	: R&K Multi Monitoring System Other design ≥6kW, ≥10kW available

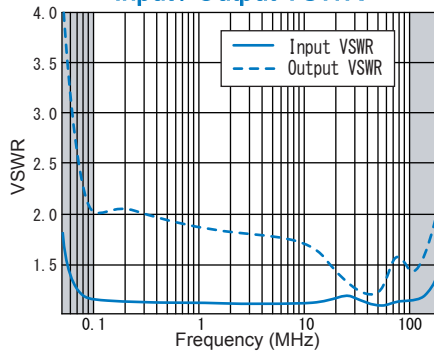
HOW TO ORDER

Model Number
R&K-A101K101-6565R OP XX Option: Ask

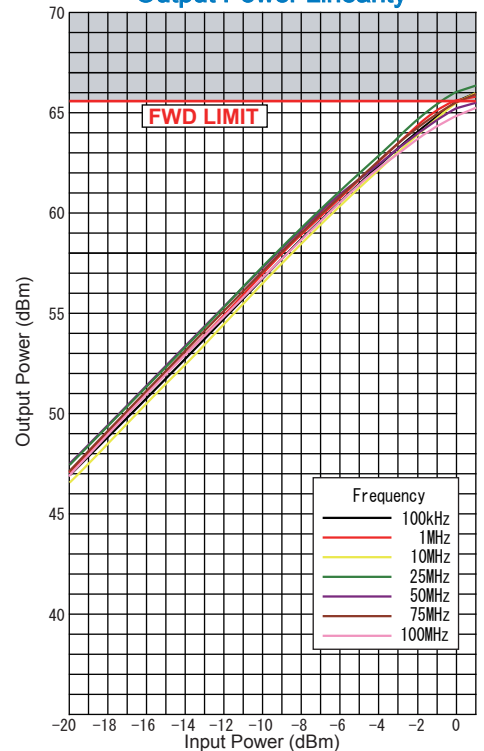
Gain Flatness



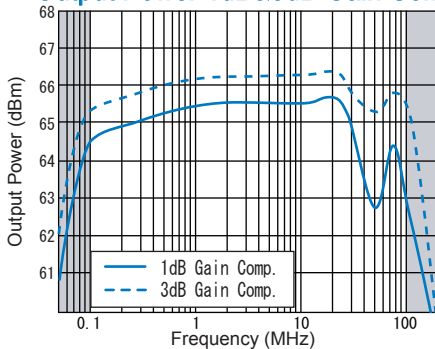
Input / Output VSWR



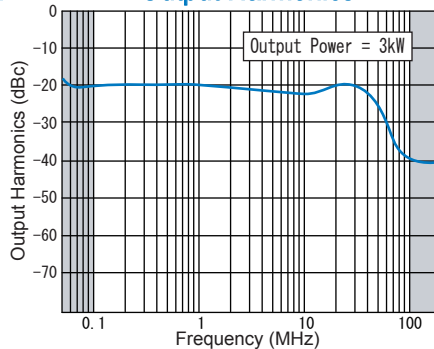
Output Power Linearity



Output Power 1dB&3dB Gain Comp.



Output Harmonics



*CHANGE ▲1 16/Apr./2014

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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