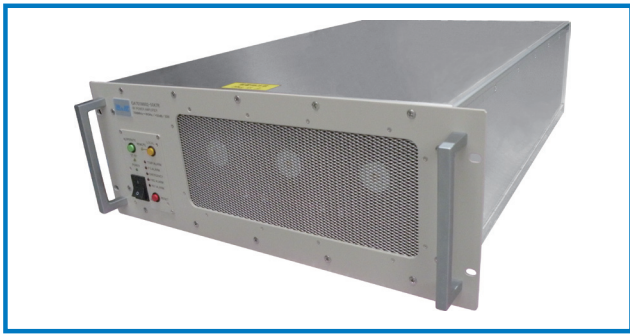


RF POWER AMPLIFIER



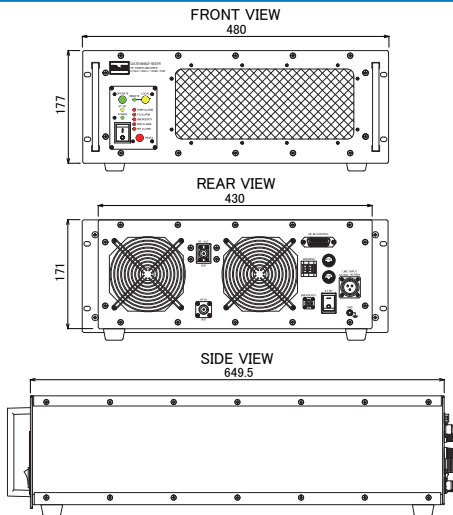
2017 Model

R&K-GA701M602-5047R



OUTLINE DRAWING

※IN MILLIMETERS



TYPICAL PERFORMANCE (Temp @+25°C)

- Ultra Wide Band Power Amplifier
- Broadband Frequency: 700MHz ~ 6000MHz
- Output Power : 50W(typ.) @3dB Comp.

APPLICATION

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

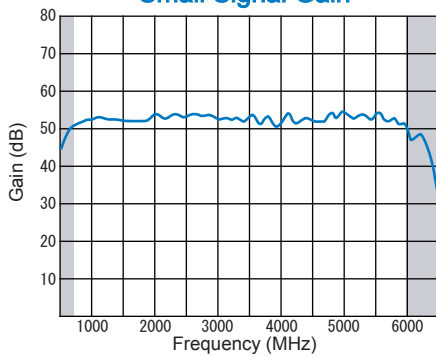
SPECIFICATIONS @ +25°C

Frequency Range	: 700MHz ~ 6000MHz
Small Signal Gain	: +50.0dB (min.)
Gain Flatness	: ±2.5dB (max.)
Output Power	: 50W (typ.) / 40W (min.) @3dB Comp.
	: 25W (typ.) / 20W (min.) @1dB Comp.
Harmonics @ 700MHz~1000MHz	: -15.0dBc (typ.) @Po=20W
	@1000MHz~6000MHz: -18.0dBc (max.) @Po=40W
	: -65.0dBc (max.) @Po=40W
Spurious	: 50Ω
Impedance	: 2.0 (max.)
Input VSWR	: 3.0 (max.)
Output VSWR	: +3.0dBm
Maximum RF Input Power	: AC100V±15%/1φ, 50/60Hz, 1kVA
AC Supply Input	: 0°C to +40°C
Operating Temperature	: -15°C to +65°C
Storage Temperature	: RF - IN N - FEMALE @REAR PANEL
Connectors	: RF - OUT N - FEMALE @REAR PANEL
	: (W)480mm×(D)649.5mm×(H)177mm
Size	: 31kg (typ.)
Weight	: Forced Air Cooling
Cooling	: Over Temperature Protection
Protection Circuits	: Power Supply Voltage Protection
	: Output Over Power Protection
	: Output Over Reflection Power Protection
Other Functions	: GP-IB
	: Safety Interlock(EMERGENCY)

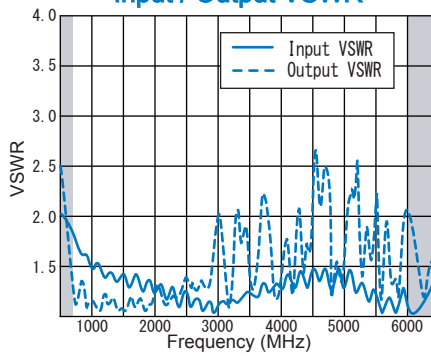
HOW TO ORDER

Model Name
R&K-GA701M602-5047R OP XX Option:
See Option Line up

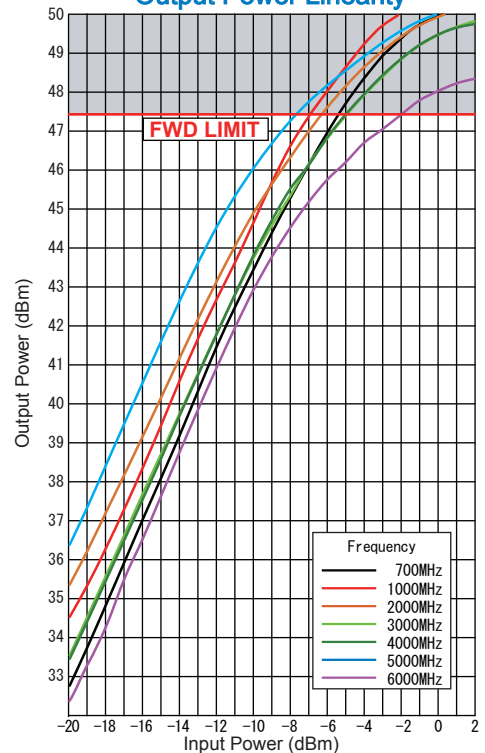
Small Signal Gain



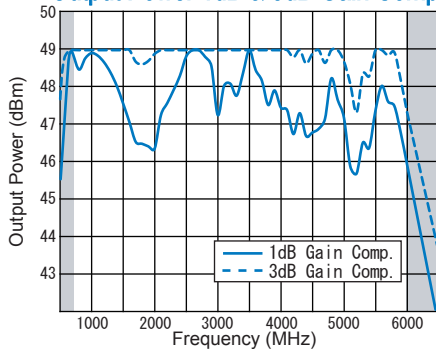
Input / Output VSWR



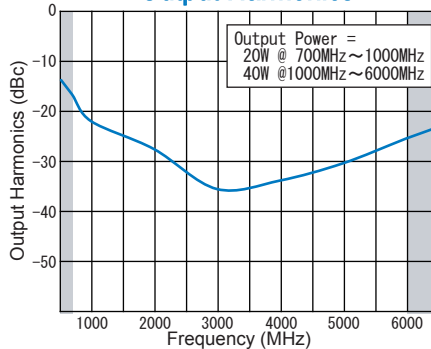
Output Power Linearity



Output Power 1dB & 3dB Gain Comp.



Output Harmonics



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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