

RF POWER AMPLIFIER



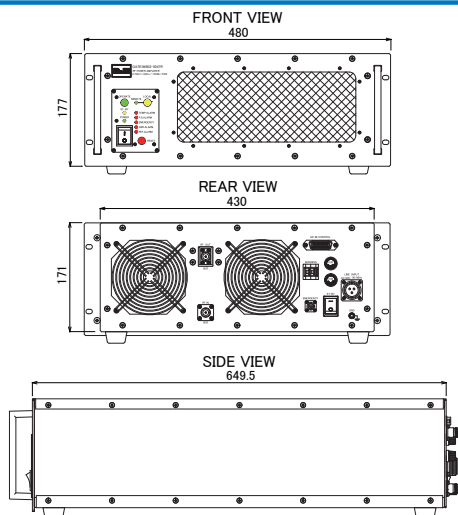
2017 Model

R&K-GA701M602-5047R



OUTLINE DRAWING

※IN MILLIMETERS



- Ultra Wide Band Power Amplifier
- Broadband Frequency: 700MHz~6000MHz
- Output Power (CW) : 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 (CW) : 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

Spurious : -65.0dBc (max.) @Po=40W

Impedance : 50Ω

Input VSWR : 2.0 (max.)

Output VSWR : 3.0 (max.)

Maximum RF Input Power : +3.0dBm

AC Supply Input : AC100V ± 15% / 1φ, 50/60Hz, 1kVA

Operating Temperature : 0°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)480mm×(D)649.5mm×(H)177mm(EIA:4U)

Weight : 31kg (typ.)

Cooling : Forced Air Cooling

Protection Circuits : Over Temperature Protection

Power Supply Voltage Protection

Output Over Power Protection

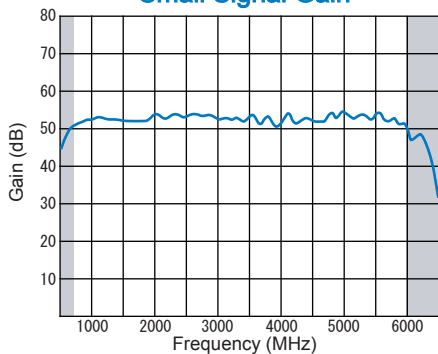
Output Over Reflection Power Protection

Other Functions : GP-IB (IEEE-488)

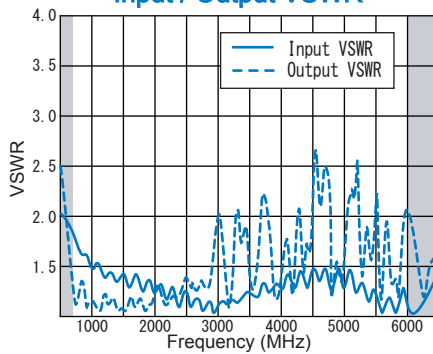
Safety Interlock (EMERGENCY)

TYPICAL PERFORMANCE (Temp @+25°C)

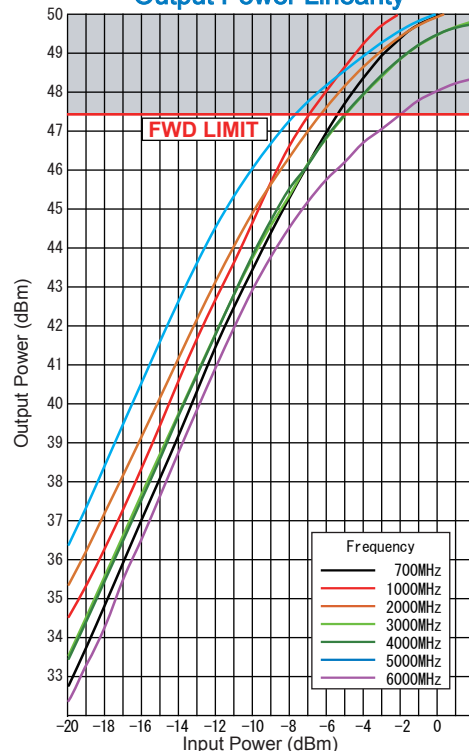
Small Signal Gain



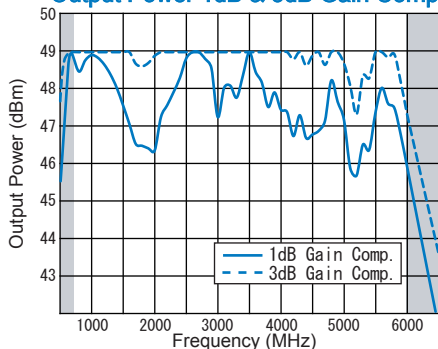
Input / Output VSWR



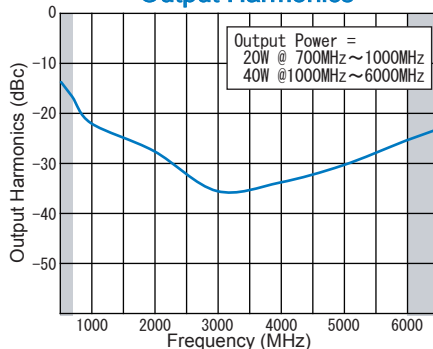
Output Power Linearity



Output Power 1dB & 3dB Gain Comp.



Output Harmonics



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