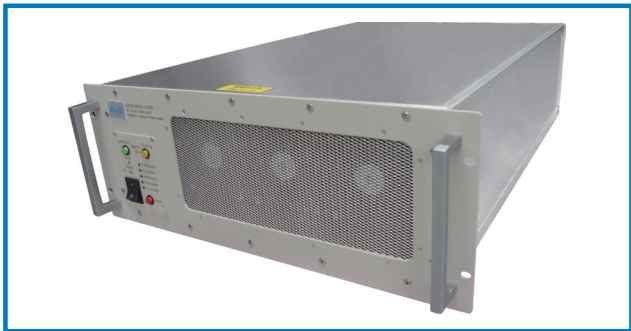


RF POWER AMPLIFIER

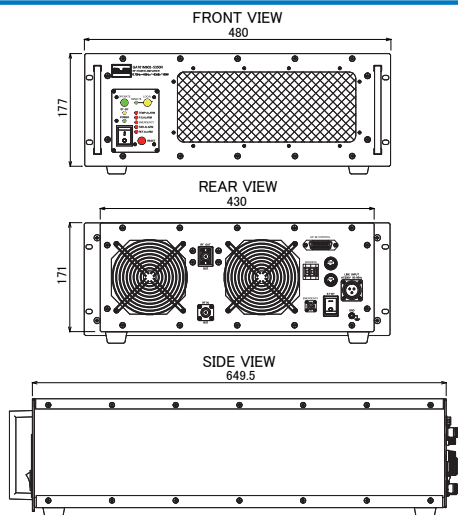


R&K-GA701M602-5350R



OUTLINE DRAWING

※IN MILLIMETERS



- Ultra Wide Band Power Amplifier
- Broadband Frequency: 700MHz~6000MHz
- Output Power (CW) : 100W (typ.) @3dB Comp.

APPLICATION

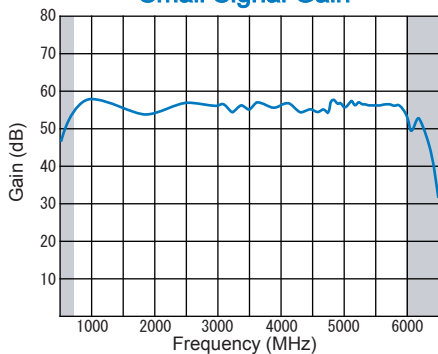
- EMC(Electromagnetic Compatibility)
- Accelerator Application
- Telecommunication Test and Measurement Application
- Etc...

SPECIFICATIONS @ +25°C

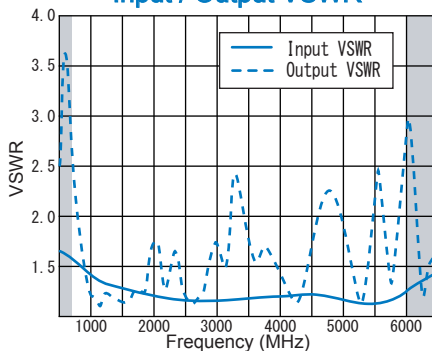
Frequency Range	: 700MHz ~ 6000MHz
Small Signal Gain	: +53.0dB (min.)
Gain Flatness	: ±2.5dB (max.)
Output Power (CW)	: 100W (typ.) / 80W (min.) @3dB Comp. : 50W (typ.) / 40W (min.) @1dB Comp.
Harmonics	
@ 700MHz~1000MHz	: -15.0dBc (typ.) @Po=40W
@1000MHz~6000MHz	: -18.0dBc (max.) @Po=80W
Spurious	: -65.0dBc (max.) @Po=80W
Impedance	: 50Ω
Input VSWR	: 2.0 (max.)
Output VSWR	: 3.0 (max.)
Maximum RF Input Power	: +3.0dBm
AC Supply Input	: AC200V±10%/1φ, 50/60Hz, 1.6kVA
Operating Temperature	: 0°C to +35°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	: 40.0kg (max.)
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)

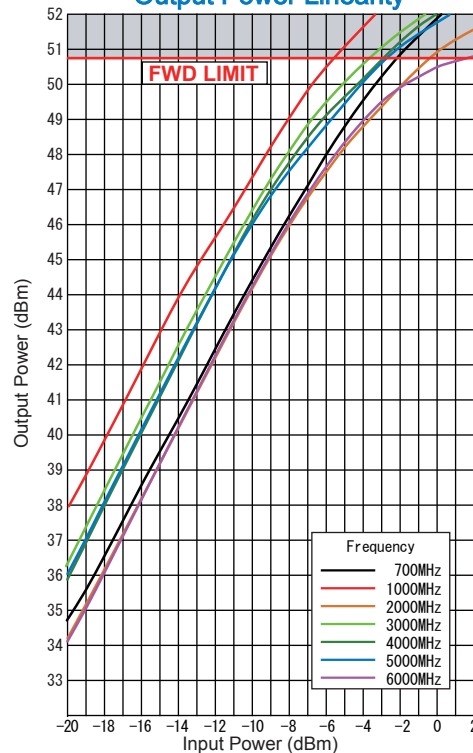
Small Signal Gain



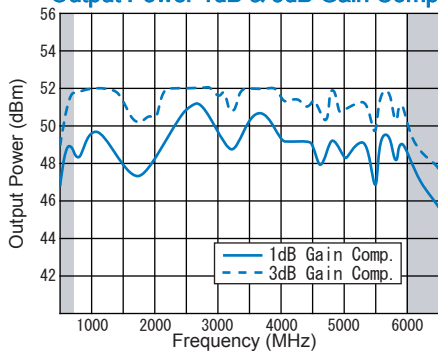
Input / Output VSWR



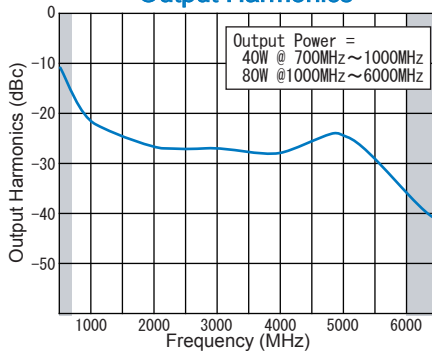
Output Power Linearity



Output Power 1dB & 3dB Gain Comp.



Output Harmonics



* Rev. 2 : Feb./24/2017

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".

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