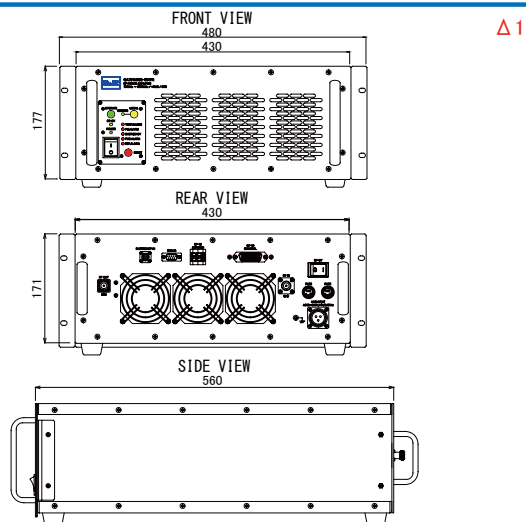


GA701M602-5047R



OUTLINE DRAWING

※IN MILLIMETERS



TYPICAL PERFORMANCE (Temp @+25°C)

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

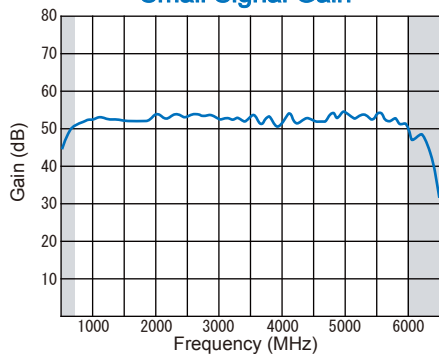
APPLICATION

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

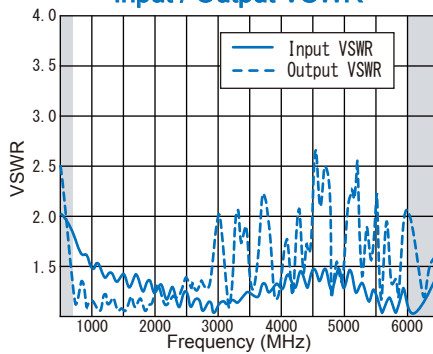
SPECIFICATIONS @ +25°C

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 Return Loss	: 9.5dB (min.) / VSWR : 2.0 (max.)	
Output Return Loss	: 6.0dB (min.) / VSWR : 3.0 (max.)	
Maximum RF Input Power	: +3.0dBm	
AC Supply Input	: AC90V~240V / 1φ, 50/60Hz, 1kVA	Δ1
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)430mm×(D)560mm×(H)177mm(EIA:4U)	Δ1
	*Excluding Projection	
Weight	: 31kg (typ.)	
Cooling	: Forced Air Cooling	
Protection Circuits	: Over Temperature Protection	
	: Power Supply Voltage Protection	
	: Output Over Power Protection(@55W)	
	: Output Over Reflected Power Protection(@15W)	
Remote Interface	: [Standard] GP-IB (IEEE-488)	
	: [Optional] Ethernet, RS-232C	
Other Function	: Safety Interlock(EMERGENCY)	

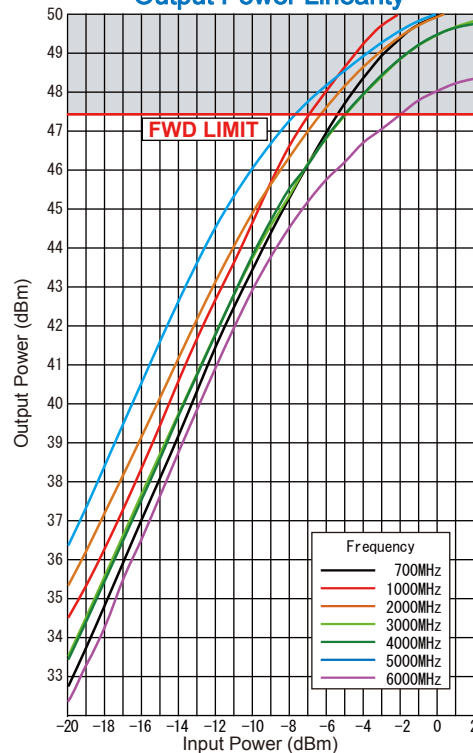
Small Signal Gain



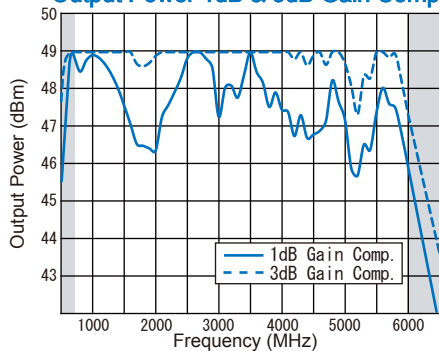
Input / Output VSWR



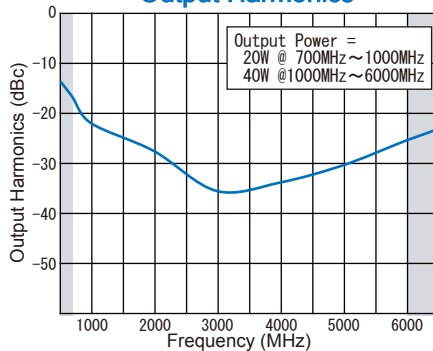
Output Power Linearity



Output Power 1dB & 3dB Gain Comp.



Output Harmonics



* CHANGE Δ1 24/Mar./2023

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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