

# RF POWER AMPLIFIER

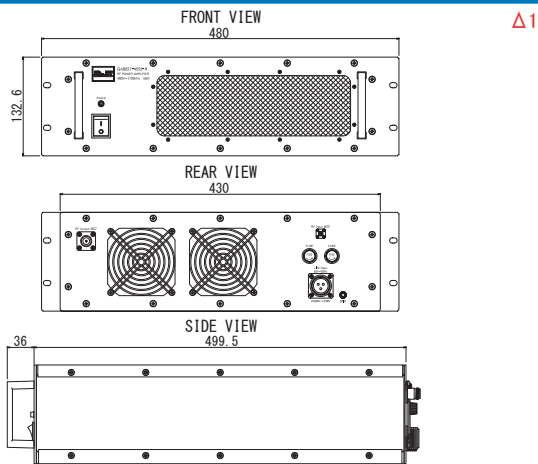


## R&K-GA0827-4552-R



### OUTLINE DRAWING

※IN MILLIMETERS



Δ1

- Ultra Wide Band Power Amplifier
- Broadband Frequency: 800MHz~2700MHz
- Output Power (CW) : 150W (min.) @Psat.

### APPLICATION

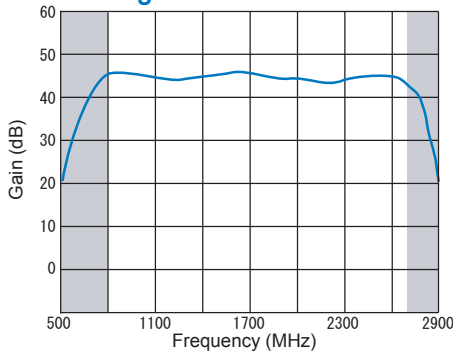
- EMC(Electromagnetic Compatibility)
- Accelerator Application
- Telecommunication Test and Measurement Application
- Etc...

### SPECIFICATIONS @ +25°C

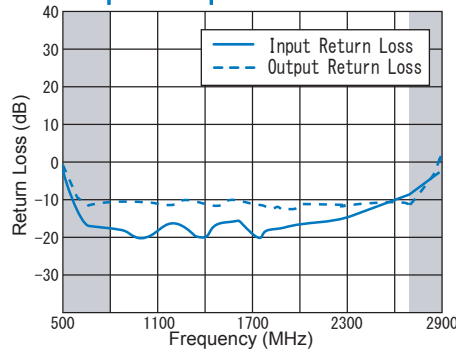
Frequency Range	: 800MHz ~ 2700MHz
Small Signal Gain	: +45.0dB (typ.)
Gain Flatness	: ±2.0dB (max.)
Output Power (CW)	: 100W (typ.) @3dB Comp. Δ2
	: 150W (typ.) @Psat. Δ2
Impedance	: 50Ω
Input Return Loss	: ≤ -10dB (typ.)
Output Return Loss	: ≤ -10dB (typ.)
Maximum RF Input Power:	+10.0dBm
AC Supply Input	: AC85~250V / 1φ, 50/60Hz, 1.2kVA
Operating Temperature	: -10°C to +45°C
Storage Temperature	: -15°C to +65°C
Connectors	: RF-IN SMA-FEMALE @REAR PANEL RF-OUT N-FEMALE @REAR PANEL
Size	: (W)480mm×(D)500mm×(H)133mm(EIA:3U)
Cooling	: Forced Air Cooling
Protection Circuits	: Over Temperature Protection

### TYPICAL PERFORMANCE (Temp @+25°C)

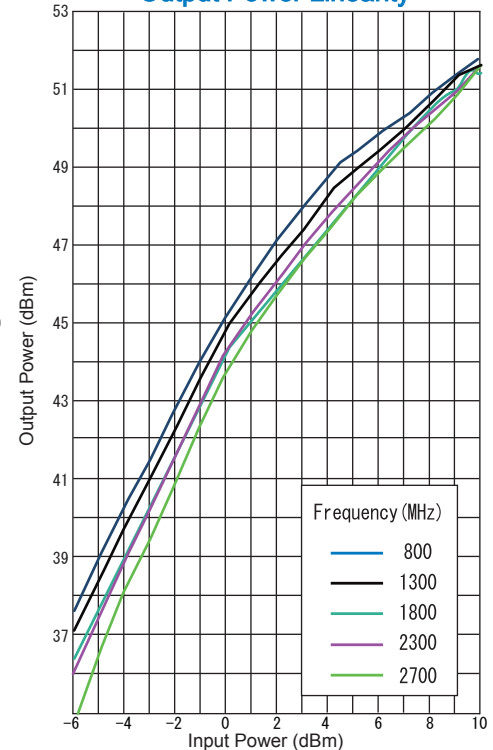
#### Small Signal Gain & Gain Flatness



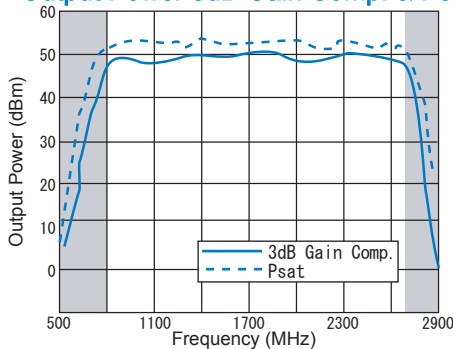
#### Input / Output Return Loss



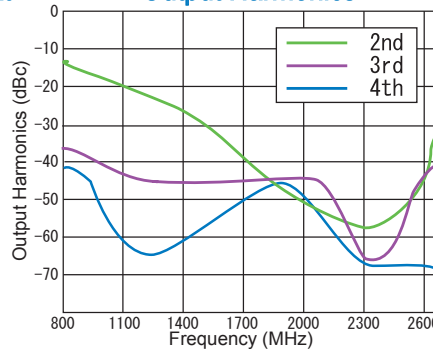
#### Output Power Linearity



#### Output Power 3dB Gain Comp. & Psat



#### Output Harmonics



\* CHANGE Δ1 29/Oct./2015 Δ2 14/May/2015

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## R&K Company Limited

721-1 Maeda, Fuji-City, Shizuoka-Pref. 416-8577 Japan  
Tel: +81-545-31-2600 E-mail: info@rkco.jp  
Fax: +81-545-31-1600 URL: http://rk-microwave.com