

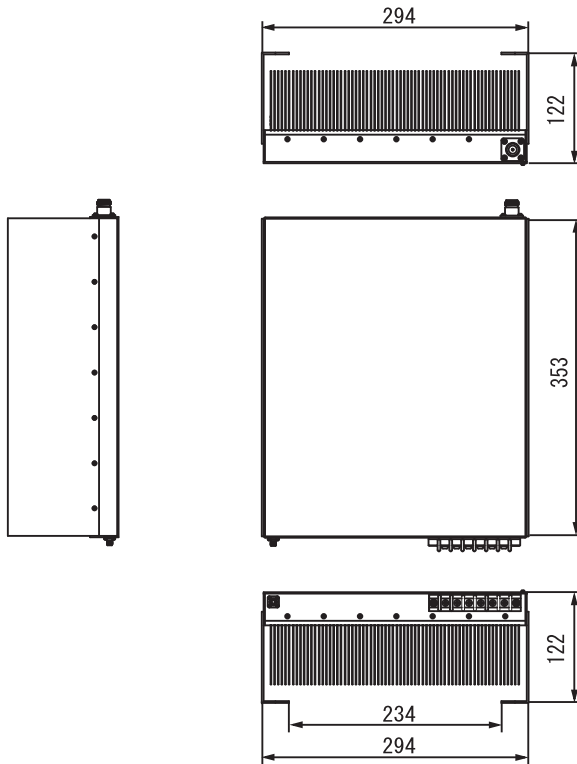
# GaN 150W AMPLIFIER



## R&K-GA0827-2352-M

### OUTLINE DRAWING

※IN MILLIMETERS



- Broadband Frequency : 800~2700MHz
- Output Power : +51.8dBm
- Gain Flatness : ±2.0dB (max.)
- Ultra Wide Band Power Amplifier

### SPECIFICATIONS

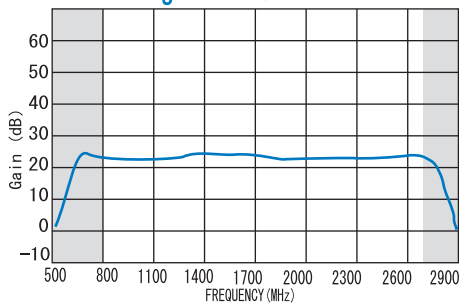
Frequency Range	: 800 – 2700MHz
Small Signal Gain	: +23dB (typ.)
Gain Flatness	: ±2.0dB (max.)
Output Power	
@3dB Comp.	: +49.0dBm (typ.) @+25°C
@sat.	: +51.8dBm (typ.) @+25°C
Impedance	: 50Ω
Input RETURN LOSS	: ≤ -10dB (typ.)
Output RETURN LOSS	: ≤ -10dB (typ.)
DC Supply Input	: +36 V
	: 27A(max.)
Maximum RF Input Power	: +35dBm
Operating Temperature	: -15°C to +45°C
Storage Temperature	: -15°C to +65°C
Connectors	: RF-IN SMA-FEMALE
	: RF-OUT N-FEMALE
Cooling	: Forced Air Cooling

### HOW TO ORDER

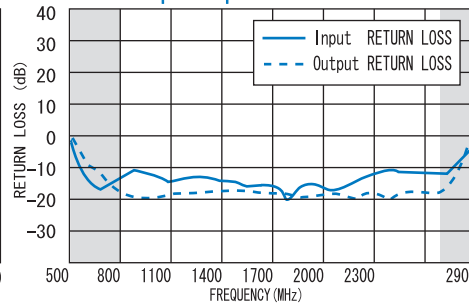
Model Name  
R&K-GA0827-2352-M  No Option

### TYPICAL PERFORMANCE (Temp @+25°C)

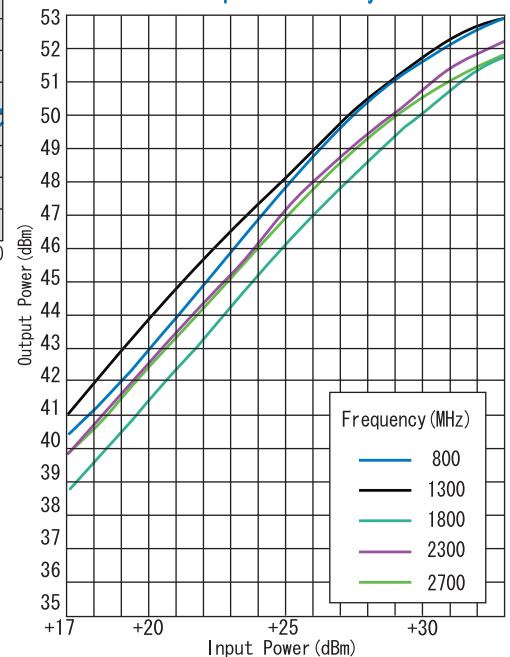
Small Signal Gain & Gain Flatness



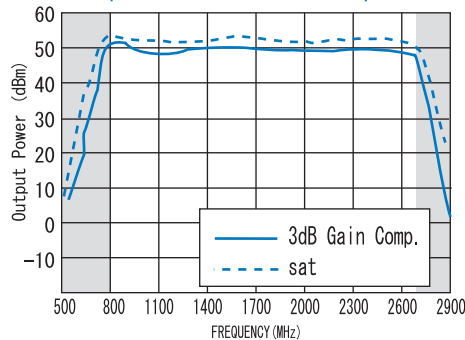
Input / Output RETURN LOSS



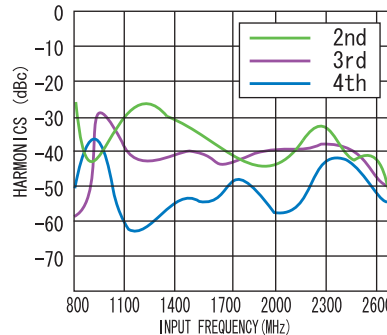
Output Power Linearity



Output Power 3dB Gain Comp. & Sat



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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