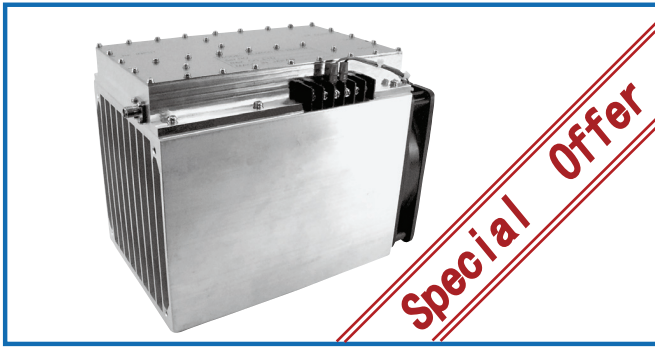
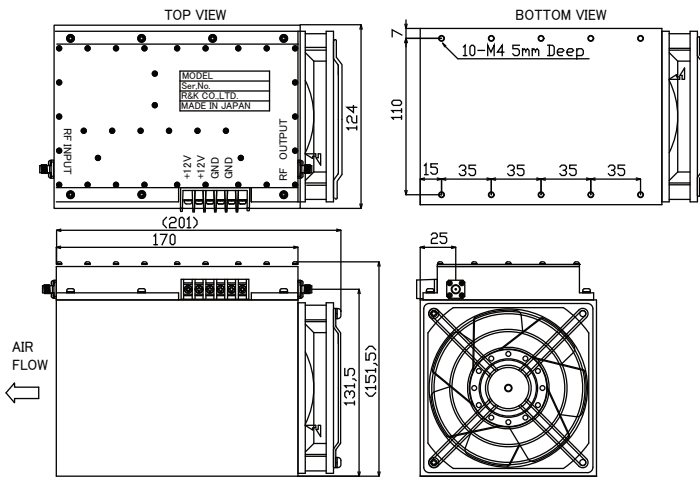


## R&K-ALM2527-4547-SMA



### OUTLINE DRAWING

※ IN MILLIMETERS



### TYPICAL PERFORMANCE (Temp @+25°C)

- Broadband Frequency: 2500 ~ 2700MHz
- Output Power : +47dBm
- Gain Flatness : ±1.0dB (typ.)
- Without Output circulator
- **Low Cost** : @¥298,000

### SPECIFICATIONS

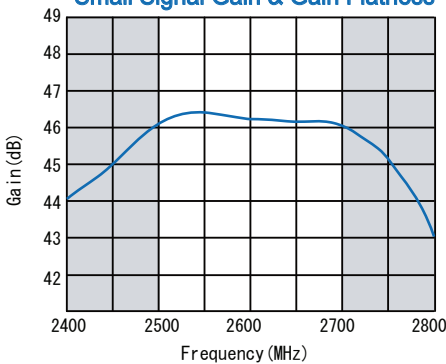
Frequency Range	: 2500~2700MHz
Small Signal Gain	: +46dB (typ.) : +44dB (min.)
Gain Flatness	: ±1.0dB (typ.)
Output Power@1dB Comp.	: +46dBm (min.)
Output I.C.P.	: +56dBm (typ.) @2600MHz
Noise Figure	: 11dB (max.)
Impedance	: 50 Ω
Input VSWR	: 1.5 : 1 (typ.)
Output VSWR	: 2.5 : 1 (typ.)
DC Supply Input	: +12V ±0.5V : 20A (max.)
Maximum RF Input Power	: +3dBm
Operating Temperature	: - 10°C to + 45°C
Storage Temperature	: - 15°C to + 65°C
Connectors	: SMA-FEMALE
Weight	: 3kg (typ.)

**Forced Air Cooling Required**

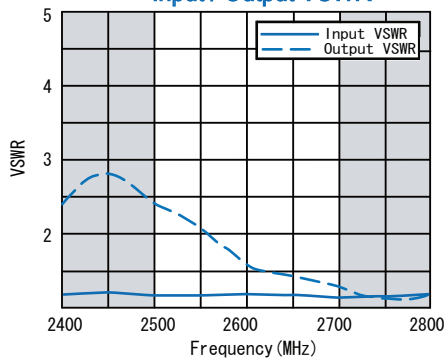
### HOW TO ORDER

Model Name  
R&K-ALM2527-4547-SMA No Option

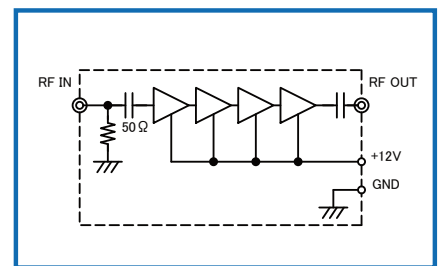
Small Signal Gain & Gain Flatness



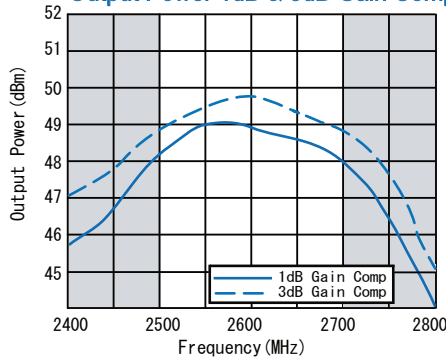
Input / Output VSWR



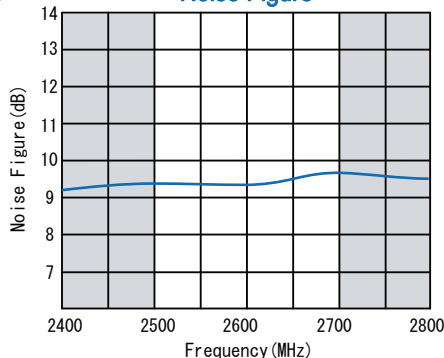
### SCHEMATIC



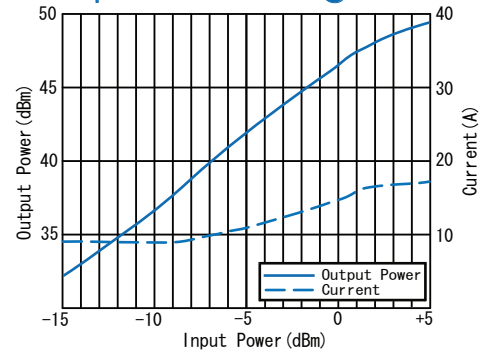
Output Power 1dB & 3dB Gain Comp.



Noise Figure



Output Power vs Current @2600MHz



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.

## 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