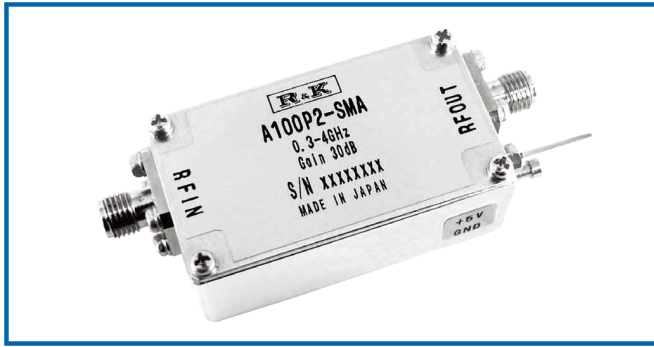


# SMALL SIGNAL AMPLIFIER

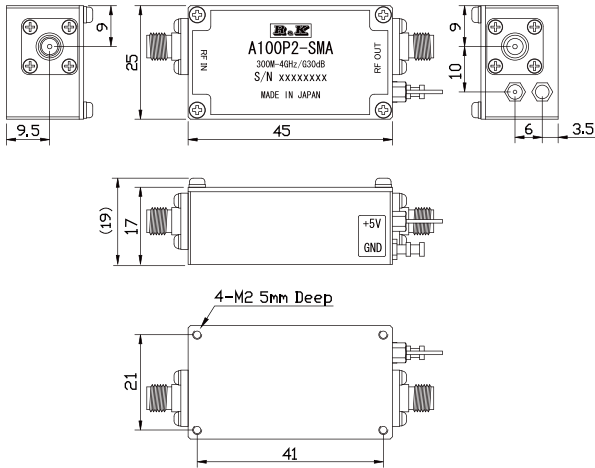


## R&K-A100P2-SMA

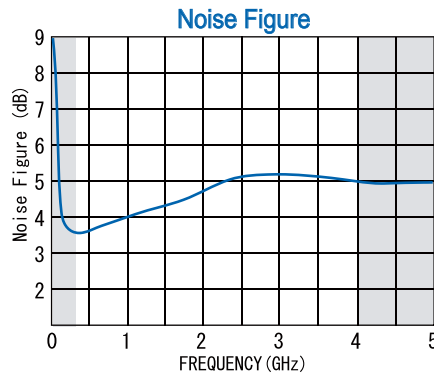
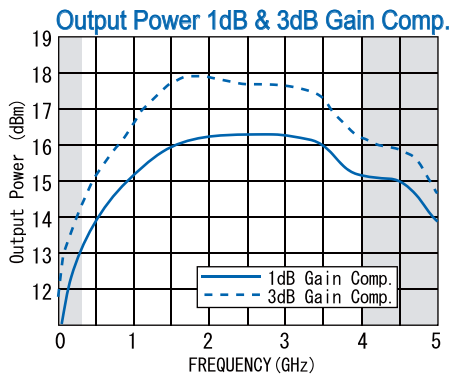
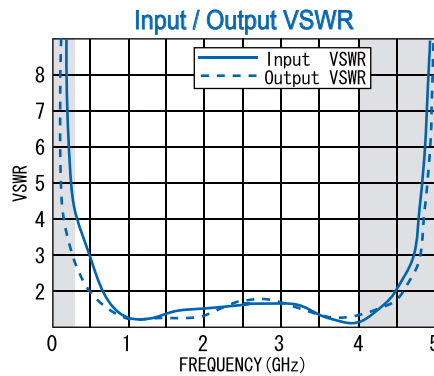
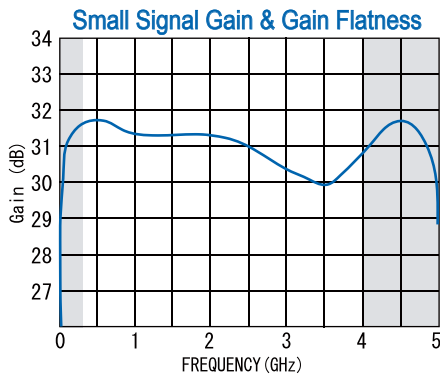


### OUTLINE DRAWING

※ IN MILLIMETERS



### TYPICAL PERFORMANCE (Temp @+25°C)



- Broadband Frequency : 0.3GHz~4GHz
- Output Power : +14dBm @4GHz
- Gain Flatness : ±1.5dB

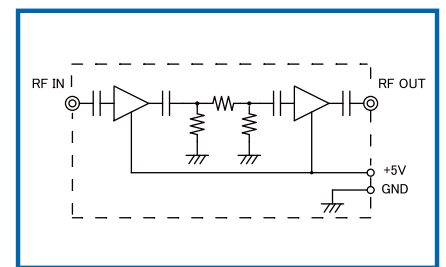
### SPECIFICATIONS

Frequency Range	: 0.3—4GHz
Small Signal Gain	: +30dB (typ.) @4GHz : +28dB (min.)
Gain Flatness	: ±2.0dB (max.)
Output Power@1dB Comp.	: +14dBm (min.) @4GHz
Output I.C.P.	: +29dBm (typ.) @4GHz
Noise Figure	: 6.0dB (max.)
Impedance	: 50 Ω
Input VSWR	: 2.0 : 1 (typ.)
Output VSWR	: 2.0 : 1 (typ.)
DC Supply Input	: +5V ±0.2V : 170mA (max.)
Maximum RF Input Power	: -9dBm(max.)
Operating Temperature	: -20°C to +60°C
Storage Temperature	: -20°C to +80°C
Connectors	: SMA-FEMALE
Weight	: 50g (typ.)

### HOW TO ORDER

Model Name  
R&K-A100P2-SMA No Option

### SCHEMATIC



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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