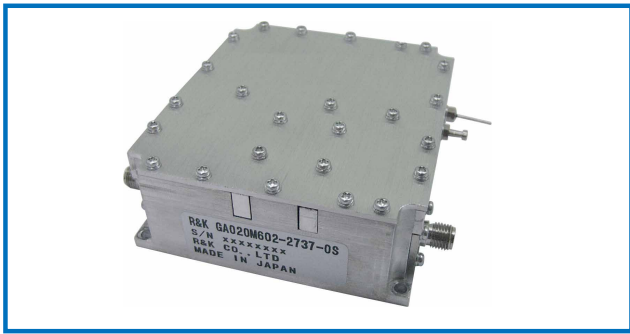


# RF POWER AMPLIFIER

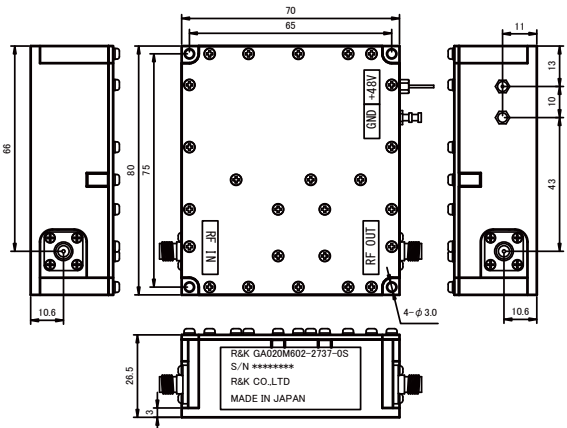


## R&K-GA020M602-2737-0S



### OUTLINE DRAWING

※IN MILLIMETERS



Base plate must be grounded and mounted to heat sink to guarantee operation up to maximum temperature.

- Broadband Frequency : 20MHz ~ 6000MHz
- Output Power : +37dBm
- Gain Flatness : ±2dB (max.)
- RoHS Compliance

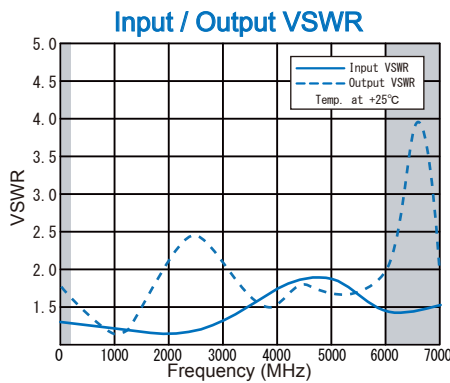
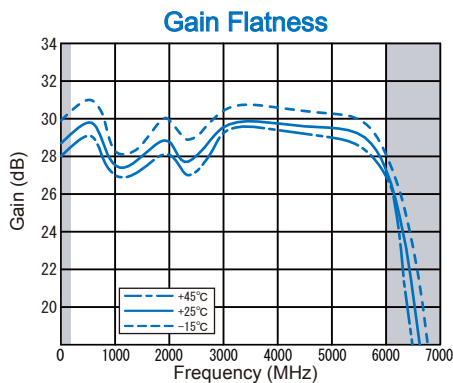
### SPECIFICATIONS @ +25°C

Frequency Range	: 20MHz ~ 6000MHz
Small Signal Gain	: +28dB (typ.) : +26dB (min.)
Gain Flatness	: ±2dB (max.)
Output Power @1dB Comp.	: +30dBm (min.)
@3dB Comp.	: +33dBm (min.)
@Psat.	: +37dBm (typ.)
Output I.C.P.	: +40dBm (typ.)
Noise Figure	: 7.0dB (typ.)
Note: N.F.value is only guaranteed in the range of 1000MHz to 6000MHz.	
Impedance	: 50Ω
Input VSWR	: 1.8 : 1 (typ.)
Output VSWR	: 2.0 : 1 (typ.)
Maximum RF Input Power	: +18dBm
DC Supply Input	: +48V ±0.5V : 1.2A (max.)
Operating Temperature (@Base Plate Temp.)	: -15°C to +45°C
Storage Temperature	: -15°C to +65°C
Connectors (Standard)	: SMA - FEMALE
Weight	: 250g (typ.)

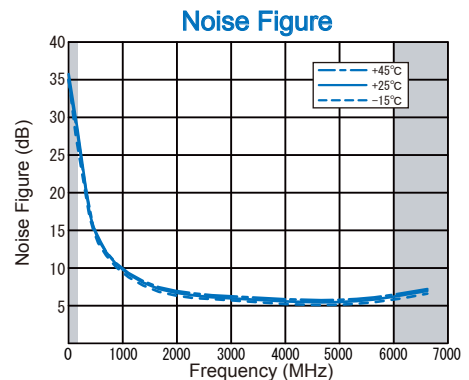
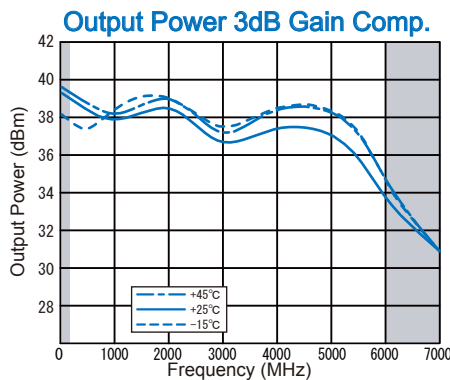
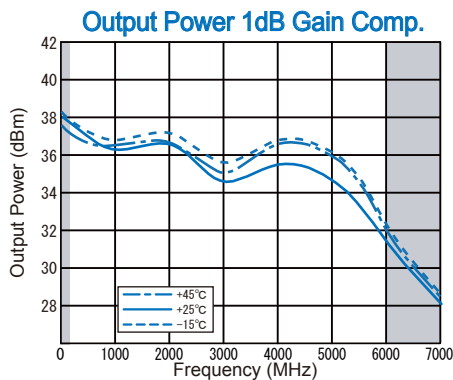
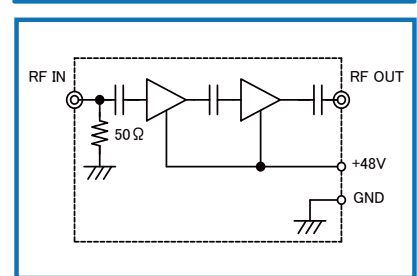
### HOW TO ORDER

Model Name  
**R&K-GA020M602-2737-0S** } 0 = Module  
} 1 = With Heat Sink & Fan

### TYPICAL PERFORMANCE (Temp @+25°C)



### 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".

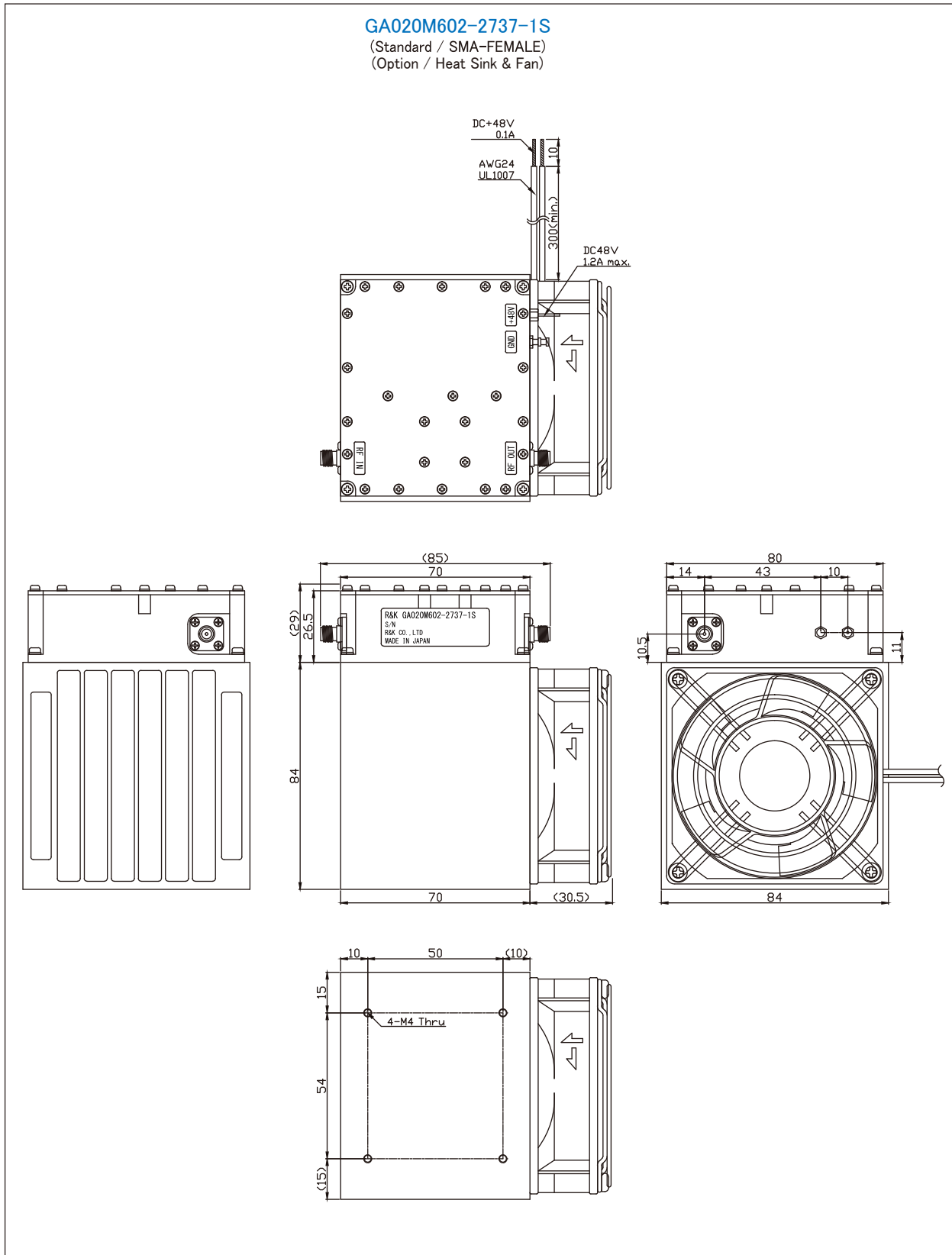
## R&K Company Limited

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 Tel : +81-545-31-2600 E-mail : info@rkco.jp  
 Fax : +81-545-31-1600 URL : http://rk-microwave.com

## OUTLINE DRAWINGS

GA020M602-2737-1S

(Standard / SMA-FEMALE)  
(Option / Heat Sink & Fan)



※IN MILLIMETERS

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