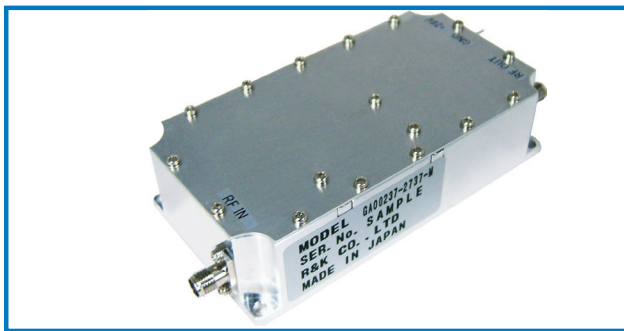


GaN 5W AMPLIFIER

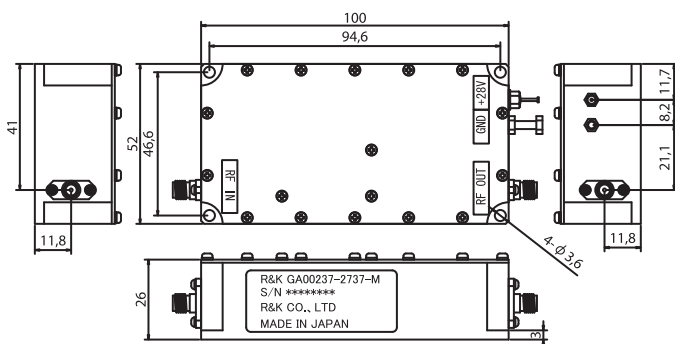


R&K-GA00237-2737-M



OUTLINE DRAWING

※ IN MILLIMETERS



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

- Broadband Frequency : 20~3700MHz
- Output Power : +37dBm
- Gain Flatness : ±2.0dB (max.)
- **Low Cost**

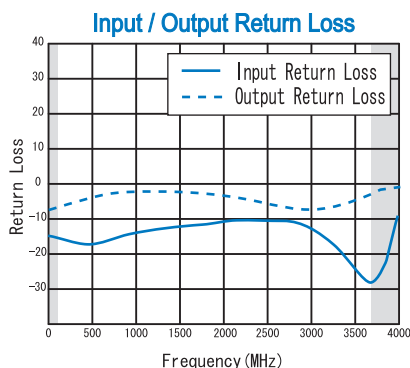
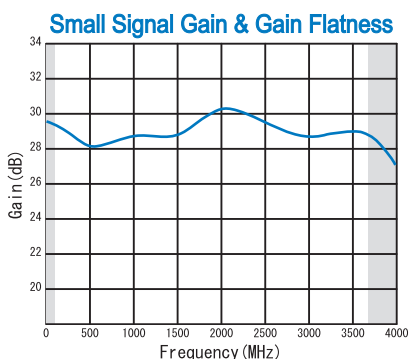
SPECIFICATIONS

Frequency Range	:	20 – 3700MHz
Small Signal Gain	:	+27dB (typ.) +25dB (min.)
Gain Flatness	:	±2.0dB (max.) @+25°C
Output Power @1dB Comp.	:	+33dBm (typ.) @+25°C
Output Power @3dB Comp.	:	+36dBm (typ.) @+25°C
Output Power @sat.	:	+37dBm (typ.) @+25°C
Output I.C.P.	:	+42dBm (typ.)
Noise Figure	:	12dB (max.)
Impedance	:	50Ω
Input Return Loss	:	-8dB (max.)
Output Return Loss	:	-2.0dB (typ.)
DC Supply Input	:	+28V 1.2A (max.)
Maximum RF Input Power	:	+15dBm
Maximum RF Output Power	:	+38dBm
Operating Temperature (@Base Plate temp.)	:	-10°C to +50°C
Storage Temperature	:	-15°C to +65°C
Connectors	:	SMA-FEMALE
Weight	:	220g (typ.)

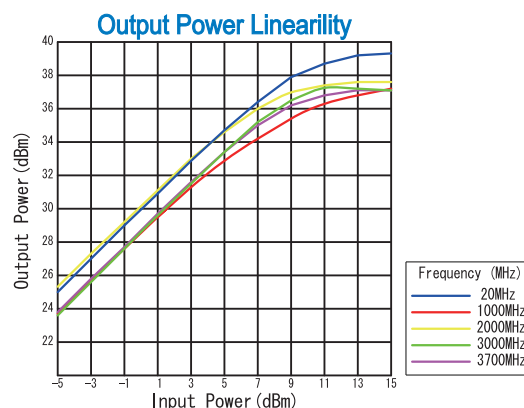
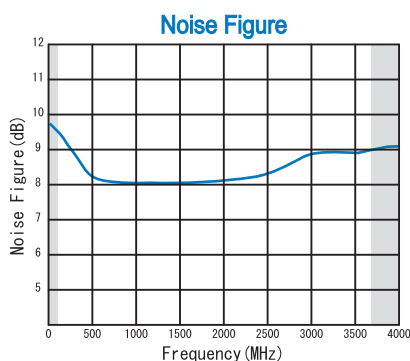
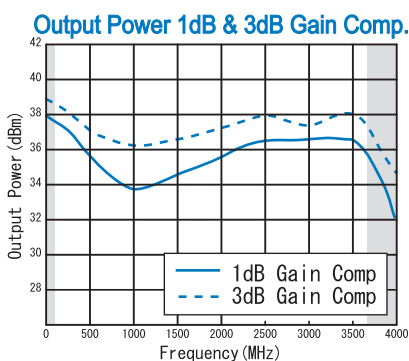
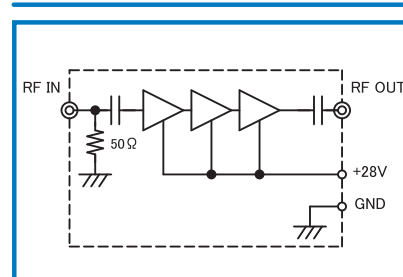
HOW TO ORDER

Model Name
R&K-GA00237-2737-M No Option

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, R&K cannot export products to any country for use in military or defense applications.

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