

ULTRA BROADBAND GaN 5W AMPLIFIER

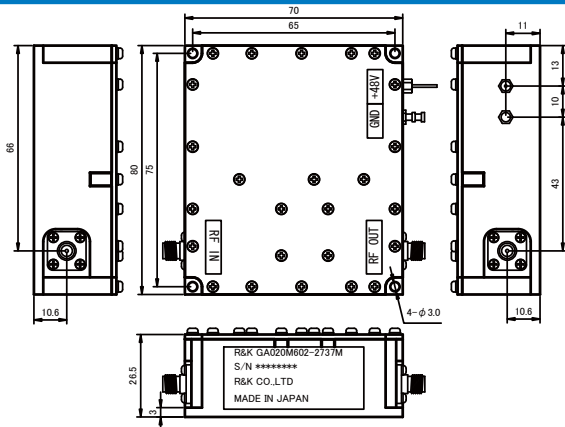


R&K-GA020M602-2737M



OUTLINE DRAWING

※IN MILLIMETERS



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

- Broadband Frequency : 20~6000MHz
- Output Power : +37dBm
- Gain Flatness : ±2.0dB (max.)

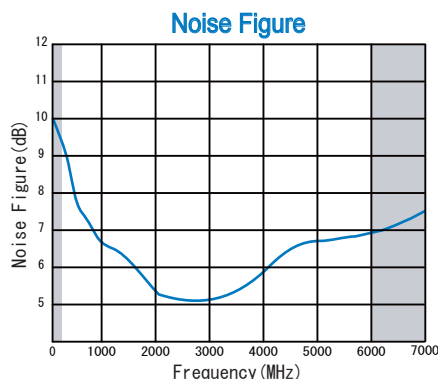
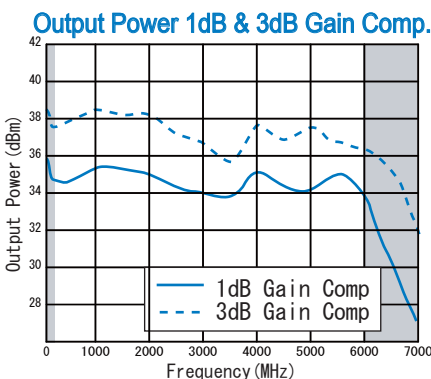
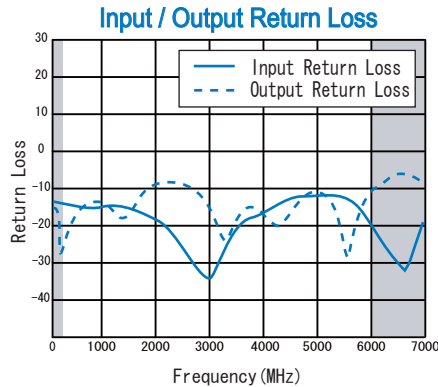
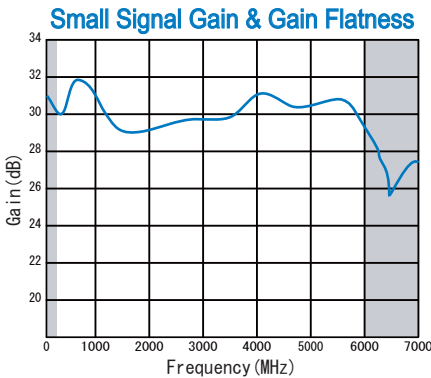
SPECIFICATIONS @+25°C

Frequency Range	:	20 – 6000MHz
Small Signal Gain	:	+29dB (typ.)
	:	+27dB (min.)
Gain Flatness	:	±2.0dB (max.)
Output Power @1dB Comp.	:	+30dBm (min.)
Output Power @3dB Comp.	:	+33dBm (min.)
Output Power @sat.	:	+37dBm (typ.)
Output I.C.P.	:	+40dBm (typ.)
Noise Figure	:	12dB (max.)
Impedance	:	50Ω
Input Return Loss	:	-7dB (max.)
Output Return Loss	:	-5dB (max.)
DC Supply Input	:	+48V
	:	1.5A (max.)
Maximum RF Input Power	:	+18dBm
Maximum RF Output Power	:	+39dBm
Operating Temperature (@Base Plate temp.)	:	-15°C to +45°C
Storage Temperature	:	-15°C to +65°C
Connectors	:	SMA-FEMALE
Weight	:	250g (typ.)

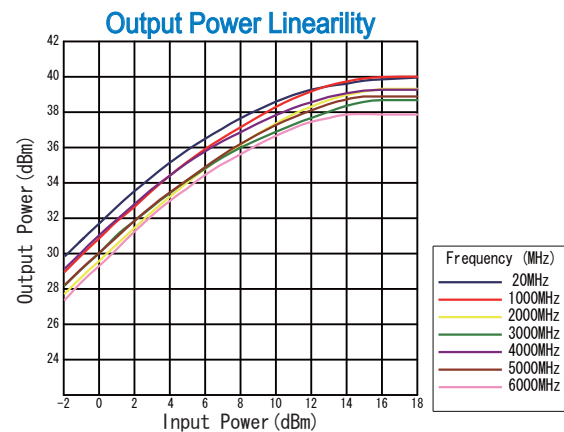
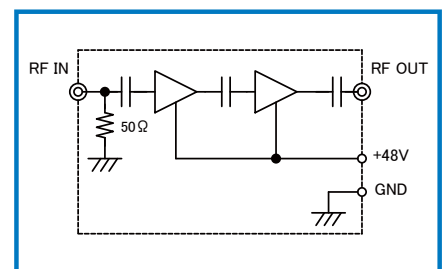
HOW TO ORDER

Model Name
R&K-GA020M602-2737M 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.

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