

RF POWER AMPLIFIER

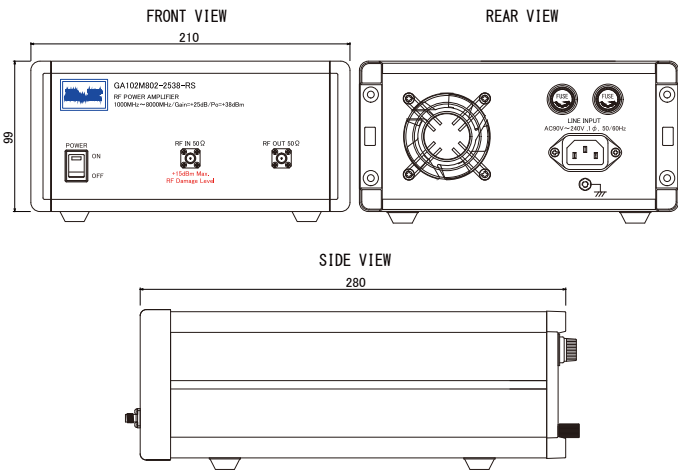


GA102M802-2538-RS



OUTLINE DRAWING

※IN MILLIMETERS



- Ultra Wide Band Power Amplifier
- Broadband Frequency: 1000MHz~8000MHz
- Output Power (CW) : +38dBm (typ.) @P_{sat}.
- RoHS Compliance

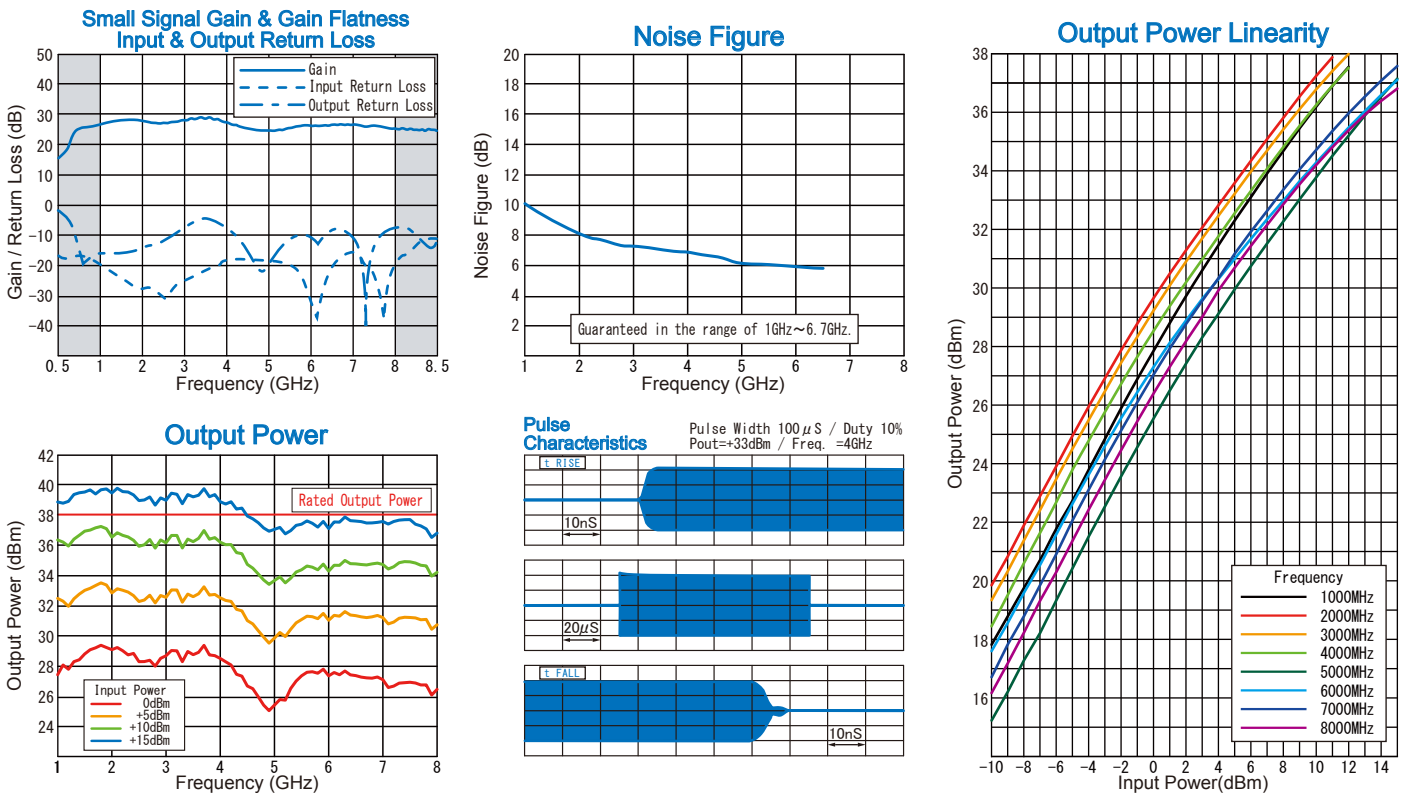
SPECIFICATIONS @ +25°C

Frequency Range	: 1000MHz ~ 8000MHz
Small Signal Gain	: +25.0dB (min.)
Gain Flatness	: ±3.0dB (max.)
Output Power (CW)	: +38dBm (typ.) @P _{sat} .
	: +36dBm (min.) @P _{sat} .
Operation Mode	: Class AB
Output I.C.P.	: +43dBm (typ.) @4GHz
Noise Figure	: 12dB (max.)
NOTE: N.F.value is only guaranteed in the range of 1GHz ~ 6.7GHz.	
Impedance	: 50Ω
Input Return Loss	: 14.0dB (typ.)
Output Return Loss	: 10.0dB (typ.)
Maximum RF Input Power	: +15dBm
AC Supply Input	: AC90V~240V / 1ϕ, 50 / 60Hz 40VA (max.)
Operating Temperature	: 0°C to +40°C
Storage Temperature	: -15°C to +65°C
Connectors	: RF - IN SMA - FEMALE RF - OUT SMA - FEMALE
Size	: (W)210mm×(D)280mm×(H)99mm
Weight	: 10.0kg (typ.)
Cooling	: Forced Air Cooling
Protection Circuits	: Over Temperature Protection Power Supply Voltage Protection

HOW TO ORDER

Model Number
GA102M802-2538-RS No Option

TYPICAL PERFORMANCE (Temp @+25°C)



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

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