

GaN 10W AMPLIFIER

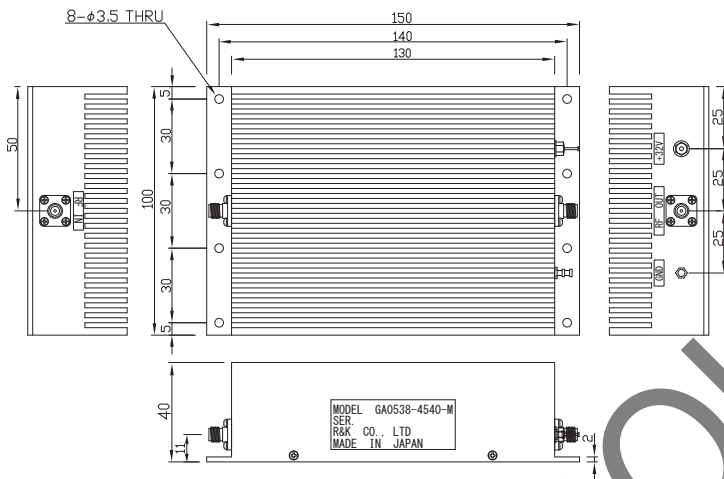


R&K-GA0538-4540-M



OUTLINE DRAWING

※IN MILLIMETERS



- Broadband Frequency : 500~3800MHz
- Output Power : +40dBm
- Gain Flatness : ±2.0dB (max.)
- Ultra Wide Band Power Amplifier

SPECIFICATIONS

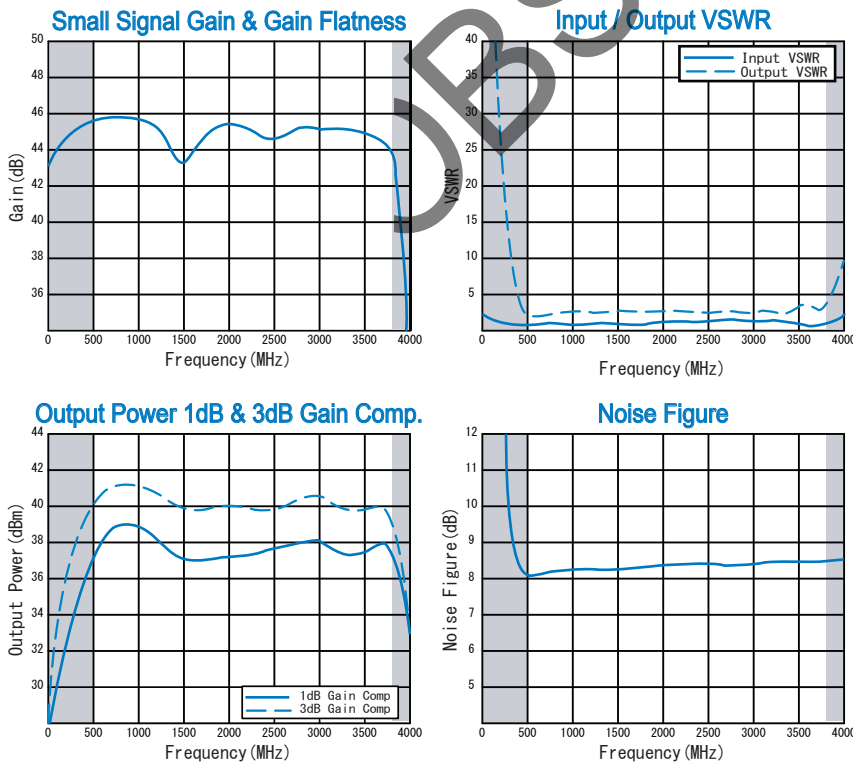
Frequency Range	: 500 – 3800MHz
Small Signal Gain	: +45dB (typ.) : +42dB (min.)
Gain Flatness	: ±2.0dB (max.)
Output Power	@1dB Comp. : +37dBm (typ.) @+25°C @3dB Comp. : +39dBm (typ.) @+25°C @sat. : +40dBm (typ.) @+25°C
Output I.C.P.	: +45dBm (typ.)
Noise Figure	: 12dB (max.)
Impedance	: 50Ω
Input VSWR	: 2.0 : 1 (max.)
Output VSWR	: 4.0 : 1 (max.)
DC Supply Input	: +32V : 2.5A (max.)
Maximum RF Input Power	: +5dBm
Operating Temperature	: -10°C to +45°C
Storage Temperature	: -15°C to +65°C
Connectors	: SMA-FEMALE
Weight	: 0.85kg (typ.)
Cooling	: Forced Air Cooling Required

HOW TO ORDER

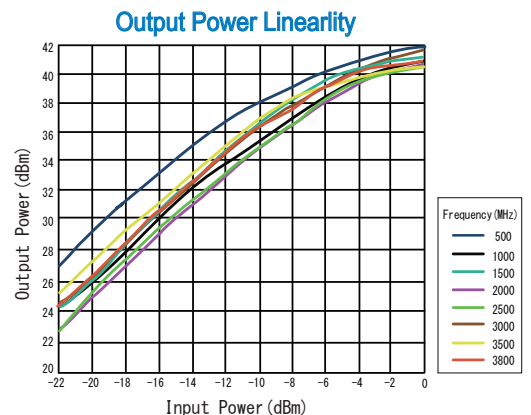
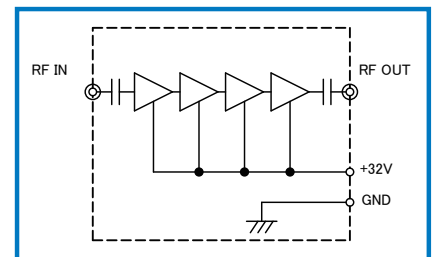
Model Name
R&K-GA0538-4540-M

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.

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