

POWER AMPLIFIER



R&K-ALM00505-4546-SMA



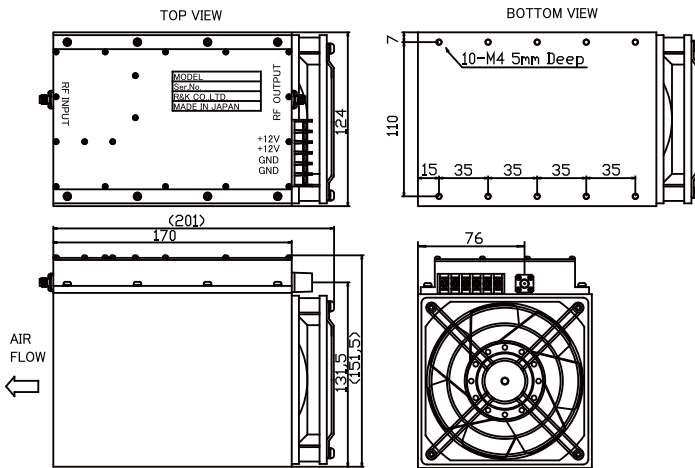
- Broadband Frequency : 50 ~ 500MHz
- Output Power : +46dBm
- Gain Flatness : ±2.5dB (typ.)

SPECIFICATIONS

| | |
|------------------------|--------------------------------|
| Frequency Range | : 50~500MHz |
| Small Signal Gain | : +46dB (typ.) +44dB (min.) |
| Gain Flatness | : ±2.5dB (typ.) |
| Output Power@3dB Comp. | : +43dBm (min.) |
| Output I.C.P. | : +53dBm (typ.) @500MHz |
| Noise Figure | : 6.5dB (max.) |
| Impedance | : 50Ω |
| Input VSWR | : 3.0 : 1 (typ.) |
| Output VSWR | : 5.0 : 1 (typ.) |
| DC Supply Input | : +12V ±0.5V 13A (max.) |
| Maximum RF Input Power | : +3dBm |
| Operating Temperature | : -10°C to +45°C |
| Storage Temperature | : -15°C to +65°C |
| Connectors | : SMA-FEMALE |
| Weight | : 3kg (typ.) |

OUTLINE DRAWING

※ IN MILLIMETERS

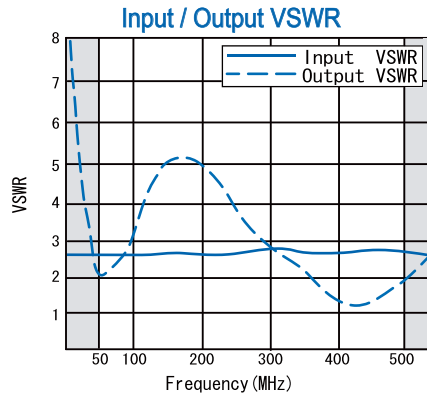
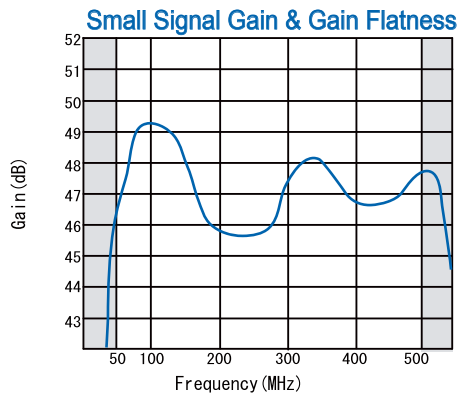


Forced Air Cooling Required

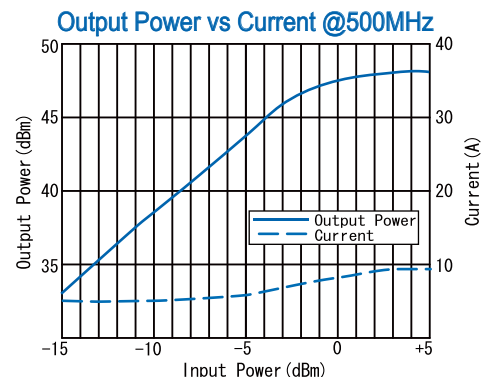
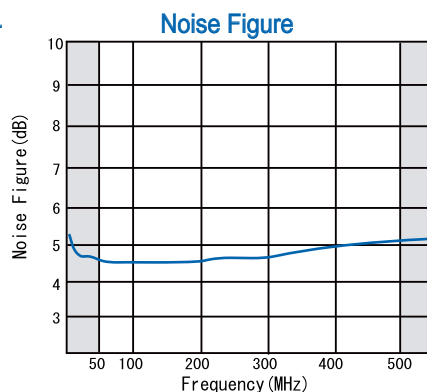
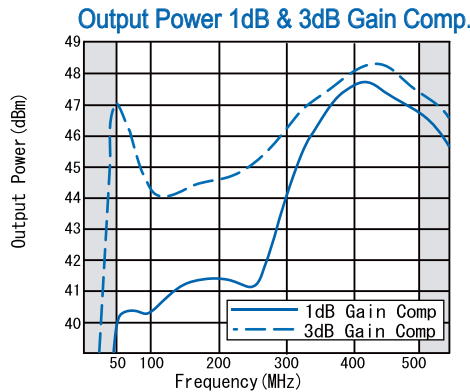
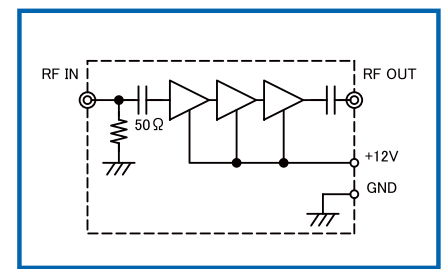
HOW TO ORDER

Model Name
R&K-ALM00505-4546-SMA 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, 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