**POWER AMPLIFIER**

**R&K-ALM0105-4748-SMA**

**TYPICAL PERFORMANCE (Temp @+25°C)**

- **Output Power 1dB & 3dB Gain Comp.**
- **Gain Flatness**: ±2.5dB (typ.)
- **Without Output circulator**
- **Low Cost**: @¥198,000

**SPECIFICATIONS**

- **Frequency Range**: 100~500MHz
- **Small Signal Gain**: +48dB (typ.)
  - +46dB (min.)
- **Gain Flatness**: ±2.5dB (typ.)
- **Output Power@3dB Comp.**: +45dBm (min.)
- **Output I.C.P.**: +55dBm (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
  - 16A (max.)
- **Maximum RF Input Power**: +5dBm
- **Operating Temperature**: -10°C to +45°C
- **Storage Temperature**: -15°C to +65°C
- **Connectors**: SMA-FEMALE
- **Weight**: 3kg (typ.)

**HOW TO ORDER**

Model Name
R&K-ALM0105-4748-SMA

No Option

**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

---

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.

---

Forced Air Cooling Required