**SMALL SIGNAL AMPLIFIER**

**R&K-AA1010-0S**

*OUTLINE DRAWING ※IN MILLIMETERS*

**SPECIFICATIONS**

- **Frequency Range**: 9kHz ~ 8000MHz
- **Small Signal Gain**: +24dB (typ.) @2GHz
- **Gain Flatness**: ±2.0dB (max.)
- **Output Power @1dB Comp.**: +12dBm (min.) @2GHz
- **Output I.C.P.**: +25dBm (typ.) @2GHz
- **Noise Figure**: 9.0dB (max.)
- **Impedance**: 50Ω
- **Input Return Loss**: 10dB (typ.)
- **Output Return Loss**: 10dB (typ.)
- **DC Supply**: +12V ±0.5V
- **Output Power**: 100mA (max.)
- **Maximum RF Input Power**: 0dBm
- **Operating Temperature**: -20℃ to +60℃
- **Storage Temperature**: -20℃ to +80℃
- **Connectors**: SMA-FEMALE
- **Weight**: 95g (typ.)

**HOW TO ORDER**

- **Model Name**: R&K-AA1010-0S
- **No Option**

**TYPICAL PERFORMANCE (Temp @+25℃)**

- **Small Signal Gain & Gain Flatness**
- **Input & Output Return Loss**

**Noise Figure**

Guaranteed in the range of 10MHz ~ 8000MHz.

**Output Power 1dB & Power Saturation**

**Output 3rd Order Intercept Point**

**How to Order**

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