R&K-AA1030-0S

**TYPICAL PERFORMANCE (Temp @+25°C)**

- **Small Signal Gain & Gain Flatness**
- **Input & Output Return Loss**
- **Noise Figure**
  - Frequency (GHz): 10MHz - 4000MHz
  - Guaranteed in the range of 10MHz~4000MHz.
- **Output Power 1dB & Power Saturation**
- **Output 3rd Order Intercept Point**
- **Gain & Return Loss (dB)**
  - Frequency (GHz): 9kHz - 4000MHz
  - ±1.0dB (max.)
- **Pulse Characteristics**
  - Pulse Width: 100μS / Duty: 10%
  - Pout=+20dBm / Freq.=2GHz
- **Input vs Output Linearity**
- **DC+12V Current (mA)**
- **Input Power (dBm)**
- **Output Power (dBm)**

**SPECIFICATIONS**

- **Frequency Range**: 9kHz ~ 4000MHz
- **Small Signal Gain**: +12dB (typ.) @2GHz
- **Gain Flatness**: ±1.0dB (max.)
- **Output Power@1dB Comp.**: +20dBm (min.) @2GHz
- **Output I.C.P.**: +30dBm (typ.) @2GHz
- **Noise Figure**: 9.0dB (max.)
- **Impedance**: 50Ω
- **Input Return Loss**: 10dB (typ.)
- **Output Return Loss**: 10dB (typ.)
- **DC Supply Input**: +12V ±0.5V
- **Maximum RF Input Power**: +20dBm
- **Operating Temperature**: −20°C to +60°C
- **Storage Temperature**: −20°C to +80°C
- **Connectors**: SMA-FEMALE
- **Weight**: 79g (typ.)

**HOW TO ORDER**

- **Model Name**: R&K-AA1030-0S
- **No Option**

**OUTLINE DRAWING**

[Include drawing image]

**SCHEMATIC**

[Include schematic diagram]

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