**R&K-AA1090-0S**

**SMALL SIGNAL AMPLIFIER**

**SPECIFICATIONS**

- **Frequency Range**: 1MHz ~ 3000MHz
- **Small Signal Gain**: +29dB (typ.) @2GHz
- **Gain Flatness**: ±2.0dB (max.)
- **Low Cost**: RoHS Compliance

**INPUTS**

- **Impedance**: 50Ω
- **Input Return Loss**: 10dB (typ.)
- **Output Return Loss**: 10dB (typ.)
- **DC Supply Input**: +12V ±0.5V, 800mA (max.)
- **Maximum RF Input Power**: +10dBm
- **Operating Temperature**: -20°C to +60°C
- **Storage Temperature**: -20°C to +80°C
- **Connectors (Standard)**: SMA-FEMALE
- **Connectors (Option)**: BNC-FEMALE, N-FEMALE
- **Weight (SMA Connector)**: 140g (typ.)

**TYPICAL PERFORMANCE** (Temp @+25°C)

- **Small Signal Gain & Gain Flatness**
- **Input & Output Return Loss**
- **Noise Figure**
- **Output Power 1dB & Power Saturation**
- **Output 3rd Order Intercept Point**

**HOW TO ORDER**

- **Model Name**: R&K-AA1090-0S
- **Connectors**:
  - S = SMA-FEMALE
  - B = BNC-FEMALE
    - (BNC Operational to 1GHz)
  - N = N-FEMALE
- **Options**:
  - 0 = Module
  - 1 = With Heatsink

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