**LOW NOISE AMPLIFIER**

**R&K-LA1060-0S**

- **Broadband Frequency**: 30MHz～4200MHz
- **Noise Figure**: 2dB (typ.)/2.8dB (max.)
- **Output Power**: +18dBm @2GHz
- **Small Signal Gain**: +18dB (typ.) @2GHz
- **Low Cost**
- **RoHS Compliance**

**SPECIFICATIONS**

- **Frequency Range**: 30MHz～4200MHz
- **Noise Figure @+25°C**: 2.0dB (typ.)
  - -20°C to +60°C: 2.8dB (max.)
- **Small Signal Gain**: +18dB (typ.) @2GHz
  - +16dB (min.)
- **Gain Flatness**: ±1.5dB (max.)
- **Output Power@1dB Comp.**: +18dBm (min.) @2GHz
- **Output I.C.P.**: +34dBm (typ.) @2GHz
- **Impedance**: 50Ω
- **Input Return Loss**: 20dB (typ.)
- **Output Return Loss**: 13dB (typ.)
- **DC Supply Input**: +12V ±0.5V
- **Maximum RF Input Power**: +7dBm
- **Operating Temperature**: -20°C to +60°C
- **Storage Temperature**: -20°C to +80°C
- **Connectors**: SMA-FEMALE
- **Weight**: 80g (typ.)

**HOW TO ORDER**

Model Name: R&K-LA1060-0S
No Option

**TYPICAL PERFORMANCE (Temp @+25°C)**

**Noise Figure**

- 40°C
- -35°C
- -20°C

**Small Signal Gain & Gain Flatness**

**Input & Output Return Loss**

**Output Power 1dB & Power Saturation**

**Output 3rd Order Intercept Point**

**Pulse Characteristics**

- Pulse Width: 100μs
- Duty: 10%
- Pout = +10dBm
- Frequency = 2GHz

**Input vs Output Linearity**

- DC / 12V Current

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