**LOW NOISE AMPLIFIER**

**R&K-LA030-0S**

- **Noise Figure**: 0.85dB (typ.)
  - @+25°C: 0.85dB (typ.)
  - −20°C to +60°C: 1.0dB (max.)
- **Frequency**: 350 ~ 500MHz
- **Output Power**: +27dBm (min.)
- **RoHS Compliance**

**SPECIFICATIONS**

- **Noise Figure @+25°C**: 0.85dB (typ.)
- **Frequency Range**: 350 - 500MHz
- **Small Signal Gain @+25°C**: +40dB (typ.)
  - +36dB (min.)
- **Gain Flatness**: ±0.5dB (max.)
- **Output Power @1dB Comp.**: +27dBm (min.)
- **Output I.C.P**: +40dBm (typ.)
- **Impedance**: 50Ω
- **Input VSWR**: 1.3 : 1 (max.)
- **Output VSWR**: 3.0 : 1 (max.)
- **DC Supply Input**: +12V ± 0.5V
- **Maximum Input**: −7dBm
- **Operating Temperature**: −20°C to +60°C
- **Storage Temperature**: −30°C to +60°C
- **Connectors**: SMA-Female
- **Weight (Standard)**: 220g (typ.)

**HOW TO ORDER**

Model Name: R&K-LA030-0S

No Option

**TYPICAL PERFORMANCE (Temp @+25°C)**

- **Small Signal Gain & Gain Flatness**
- **Input / Output VSWR**
- **Output Power 1dB & 3dB Gain Comp.**
- **Noise Figure**

**SCHEMATIC**

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