R&K-LA151-0S

LOW NOISE AMPLIFIER

TYPICAL PERFORMANCE

**Noise Figure**: 2.0dB (typ.)
-20°C to +60°C: 3.0dB (max.)
**Frequency Range**: 1GHz ~ 6.5GHz
**Output Power**: +13dBm (min.) @4GHz
**Small Signal Gain**: +44dB (typ.) @4GHz
**RoHS Compliance**: @+25°C

**Specifications**
- **Noise Figure** @+25°C: 2.0dB (typ.)
  -20°C to +60°C: 3.0dB (max.)
- **Frequency Range**: 1GHz ~ 6.5GHz
- **Small Signal Gain**: +44dB (typ.) @4GHz
- **Gain Flatness**: ±2.5dB (max.)
- **Output Power @1dB Comp.**: +13dBm (min.) @4GHz
- **Output I.C.P.**: +25dBm (typ.) @4GHz
- **Impedance**: 50Ω
- **Input VSWR**: 2.0:1 (typ.)
- **Output VSWR**: 2.0:1 (typ.)
- **DC Supply Input**: ±12V ±1V
- **Maximum RF Input Power**: −24dBm
- **Operating Temperature**: −20°C to +60°C
- **Storage Temperature**: −20°C to +80°C
- **RF Connectors (Standard)**: SMA-FEMALE
- **RF Connectors (Option)**: N-FEMALE
- **Power Terminal**: Solder
- **Weight (Standard)**: 100g (typ.)

**How to Order**
- **Model Name**: R&K-LA151-0S
- **S = SMA - FEMALE**
- **N = N - FEMALE**

**Outline Drawing**

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**Schematic**

R&K reserves the right to make changes in the specifications of or discontinue products at any time without notice. R&K products shall not be used for or in connection with equipment that requires an extremely high level of reliability and safety such as aerospace uses or medical life support equipment. Further, R&K cannot export products to any country for use in military or defense applications.

R&K Company Limited
721-1 Maeda, Fuji-City, Shizuoka-Pref. 416-8577 Japan
Tel: +81-545-31-2800  E-mail: info @ rko.co.jp
Fax: +81-545-31-1600  URL: http://rko-microwave.com

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