SMALL SIGNAL AMPLIFIER

R&K-AA1040-0S

OUTLINE DRAWING

SPECIFICATIONS

- Broadband Frequency: 9kHz ~ 4000MHz
- Output Power: +20dBm @2GHz
- Small Signal Gain: +24dB (typ.) @2GHz
- Gain Flatness: ±1.5dB (max.)
- Low Cost
- RoHS Compliance

Frequency Range: 9kHz ~ 4000MHz
Small Signal Gain: +24dB (typ.) @2GHz
Gain Flatness: ±1.5dB (max.)
Output Power @ 1dB Comp.: +20dBm (min.) @2GHz
Output I.C.P.: +30dBm (typ.) @2GHz
Noise Figure: 9.0dB (max.)

NOTE: N.F. value is only guaranteed in the range of 10MHz ~ 4000MHz.
Impedance: 50Ω
Input Return Loss: 10dB (typ.)
Output Return Loss: 10dB (typ.)
DC Supply Input: +12V ±0.5V

Maximum RF Input Power: +10dBm
Operating Temperature: −20℃ to +60℃
Storage Temperature: −20℃ to +80℃
Connectors: SMA-FEMALE
Weight: 105g (typ.)

HOW TO ORDER

Model Name: R&K-AA1040-0S
No Option

TYPICAL PERFORMANCE (Temp @+25℃)

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

Noise Figure

- Guaranteed in the range of 10MHz ~ 4000MHz

SCHEMATIC

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