

LOW NOISE AMPLIFIER

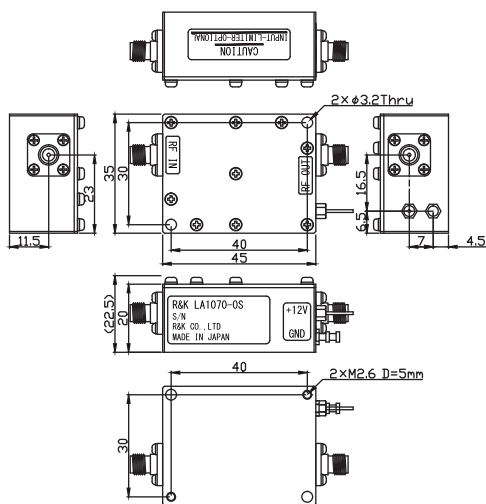


R&K-LA1070-0S



OUTLINE DRAWING

※IN MILLIMETERS



- Broadband Frequency : 30MHz ~ 4200MHz
- Noise Figure : 2dB (typ.) / 2.8dB (max.)
- Output Power : +18dBm @2GHz
- Small Signal Gain : +35dB (typ.) @2GHz
- Low Cost
- RoHS Compliance

SPECIFICATIONS

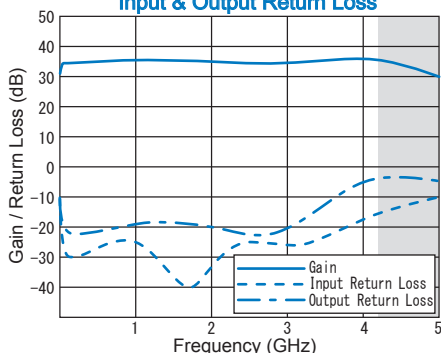
- Frequency Range : 30MHz ~ 4200MHz
- Noise Figure @ +25°C : 2.0dB (typ.)
- 20°C to +60°C : 2.8dB (max.)
- Small Signal Gain : +35dB (typ.) @2GHz
- : +32dB (min.)
- Gain Flatness : ±1.5dB (max.)
- Output Power @ 1dB Comp. : +18dBm (min.) @2GHz
- Output I.C.P. : +33dBm (typ.) @2GHz
- Impedance : 50 Ω
- Input Return Loss : 20dB (typ.)
- Output Return Loss : 15dB (typ.)
- DC Supply Input : +12V ±0.5V
- : 180mA (max.)
- Maximum RF Input Power : -10dBm
- Operating Temperature : -20°C to +60°C
- Storage Temperature : -20°C to +80°C
- Connectors : SMA-FEMALE
- Weight : 80g (typ.)

HOW TO ORDER

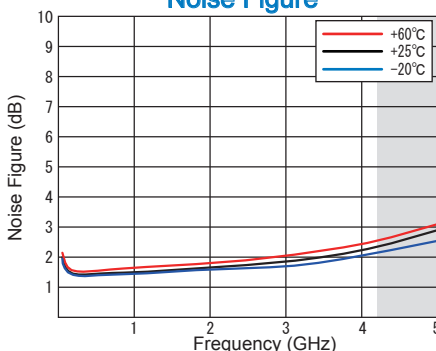
Model Name R&K-LA1070-0S No Option

TYPICAL PERFORMANCE (Temp @+25°C)

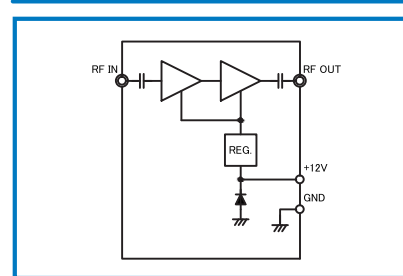
Small Signal Gain & Gain Flatness
Input & Output Return Loss



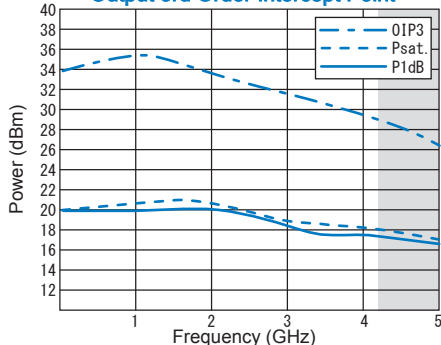
Noise Figure



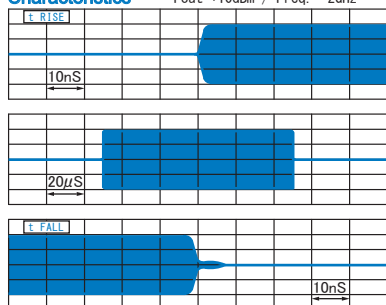
SCHEMATIC



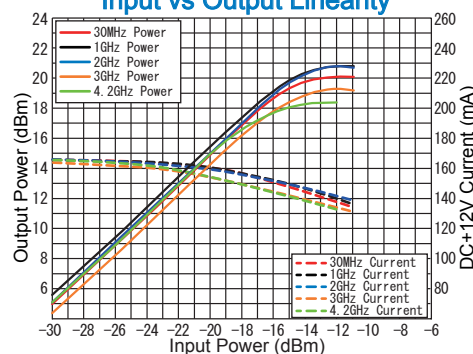
Output Power 1dB & Power Saturation
Output 3rd Order Intercept Point



Pulse Characteristics



Input vs Output Linearity



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R&K Company Limited

721-1 Maeda, Fuji-City, Shizuoka-Pref. 416-8577 Japan
Tel : +81-545-31-2600 E-mail : info@rkco.jp
Fax : +81-545-31-1600 URL : http://rk-microwave.com