LOW NOISE AMPLIFIER

R&K-LA110-0S

OUTLINE DRAWING ※IN MILLIMETERS

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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 expect products to any country for use in military or defense applications.

SPECIFICATIONS @ +25°C

Noise Figure
-@ +25°C : 1.8dB (typ.)
-20°C to +60°C : 2.5dB (max.)

NOTE: N.F. value is only guaranteed in the range of 10MHz ~ 1000MHz.

Frequency Range
: 0.1MHz ~ 1000MHz

Small Signal Gain
: +46dB (typ.) @500MHz
: +45dB (min.)

Gain Flatness
: ±1.5dB (max.)

Output Power @1dB Comp.
: +15dBm (min.) @500MHz

Output I.C.P.
: +27dBm (typ.) @500MHz

Impedance
: 50Ω

Input VSWR
: 2.0:1 (typ.)

Output VSWR
: 2.0:1 (typ.)

DC Supply Input
: +12V ±1V

Maximum RF Input Power
: -25dBm

Operating Temperature
: -20°C to +60°C

Storage Temperature
: -20°C to +80°C

Connectors (Standard)
: SMA- FEMALE

Connectors (Option)
: BNC- FEMALE

N- FEMALE

Weight (Standard)
: 120g (typ.)

TYPICAL PERFORMANCE

Small Signal Gain & Gain Flatness

Output Power 1dB Gain Comp.

Output Power 3dB Gain Comp.

Noise Figure

Guaranteed in the range of 10MHz ~ 1000MHz.

NOTE: N.F. value is only guaranteed in the range of 10MHz ~ 1000MHz.

HOW TO ORDER

Model Name
R&K-LA110-0S

S = SMA - FEMALE
B = BNC - FEMALE
N = N - FEMALE