LOW NOISE AMPLIFIER

R&K-LA150-0S

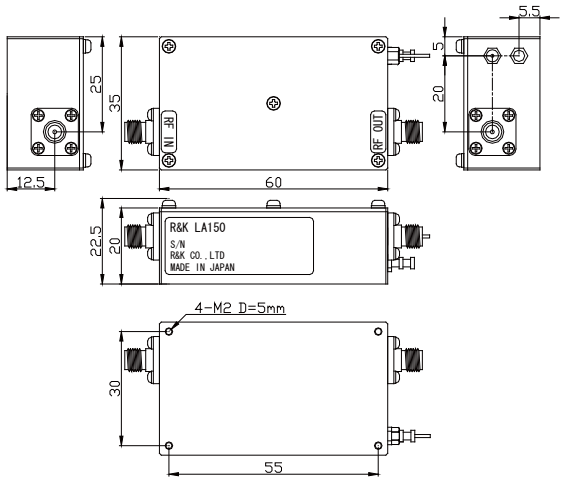
- Broadband Frequency :1500MHz～6500MHz
- Noise Figure :2.0dB @＋25℃
- Gain Flatness :±2.5dB (max.)
- RoHS Compliance

SPECIFICATIONS

Noise Figure @＋25℃	: 2.0dB (typ.)
－20℃ to ＋60℃	: 3.0dB (max.)
Frequency Range	: 1500MHz ~ 6500MHz
Small Signal Gain	: ＋45dB (typ.) @4000MHz
	: ＋42dB (min.)
Gain Flatness	: ±2.5dB (max.)
Output Power @1dB Comp.	: ＋13dBm (min.) @4000MHz
Output I.C.P.	: ＋25dBm (typ.) @4000MHz
Impedance	: 50Ω
Input VSWR	: 3.0:1 (typ.)
Output VSWR	: 2.0:1 (typ.)
DC Supply Input	: ＋12V ±1V
	: 160mA (max.)
Maximum RF Input Power	: －24dBm
Operating Temperature	: －20℃ to ＋60℃
Storage Temperature	: －20℃ to ＋80℃
Connectors (Standerd)	: SMA-FEMALE
Connectors (Option)	: N-FEMALE
Weight (Standerd)	: 100g (typ.)

OUTLINE DRAWING

※IN MILLIMETERS



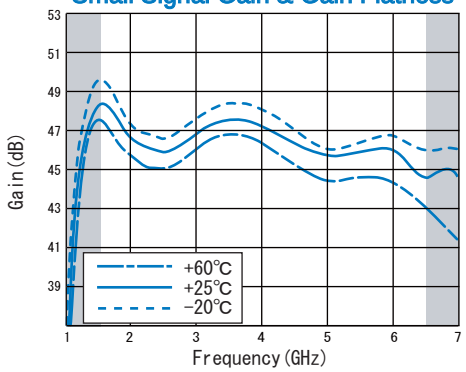
HOW TO ORDER

Model Name
R&K-LA150-0S

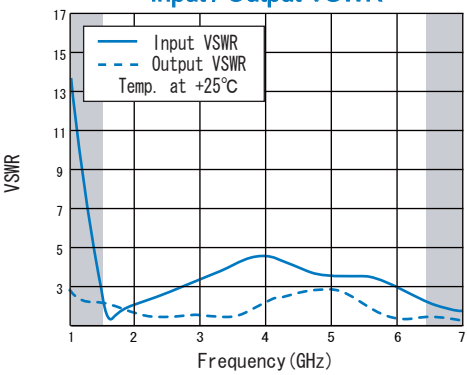
S = SMA - FEMALE
N = N - FEMALE

TYPICAL PERFORMANCE

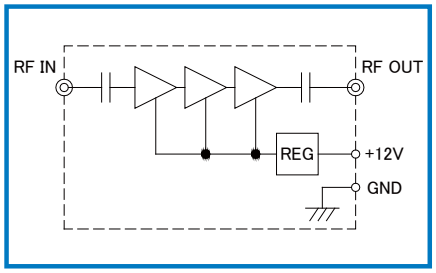
Small Signal Gain & Gain Flatness



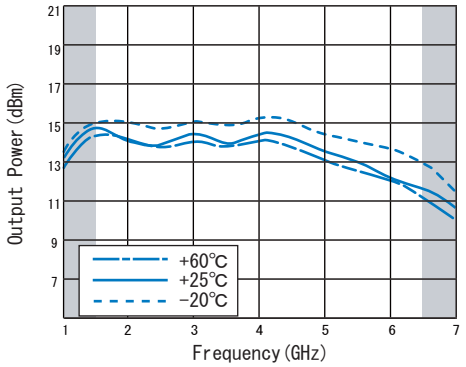
Input / Output VSWR



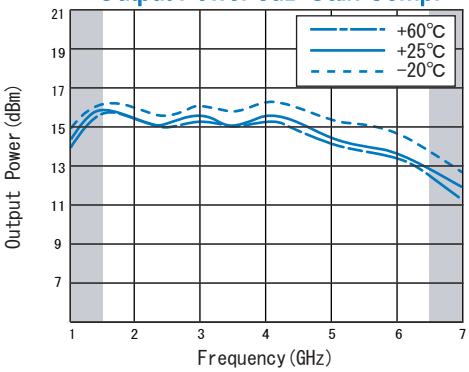
SCHEMATIC



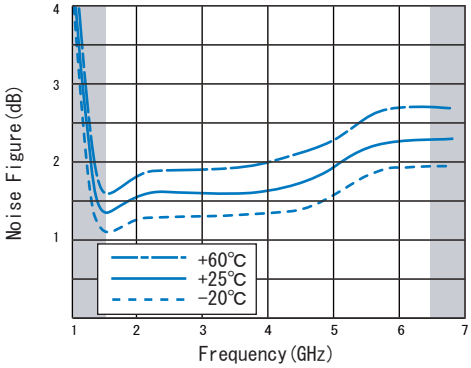
Output Power 1dB Gain Comp.



Output Power 3dB Gain Comp.



Noise Figure



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.

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