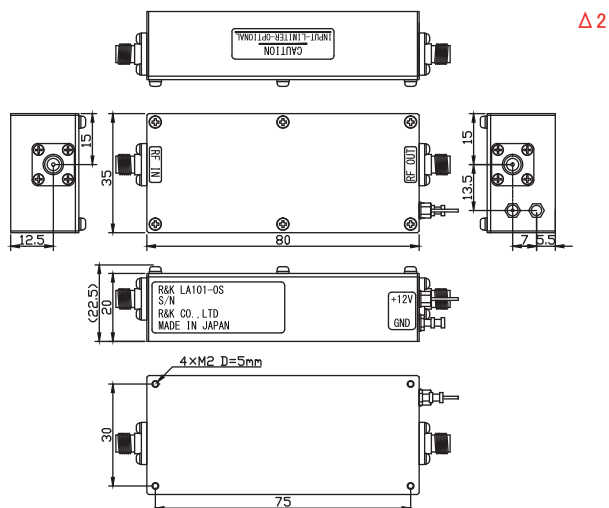


R&K-LA101-0S



OUTLINE DRAWING

※IN MILLIMETERS



- Noise Figure : 1.8dB (typ.)
-20°C to +60°C : 2.5dB (max.)
- Frequency Range : 9kHz~1000MHz
- Output Power : +13dBm @500MHz
- RoHS Compliance

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 : 9kHz ~ 1000MHz
- Small Signal Gain : +36dB (typ.) @500MHz
: +35dB (min.)
- Gain Flatness : ±2.0dB (max.)
- Output Power @1dB Comp. : +13dBm (min.) @500MHz
- Output I.C.P. : +25dBm (typ.) @500MHz
- Impedance : 50Ω
- Input VSWR : 2.0:1 (typ.)
- Output VSWR : 2.0:1 (typ.)
- DC Supply Input : +12V ±1V
: 100mA (max.) Δ1
- Maximum RF Input Power : -17dBm
- 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.)

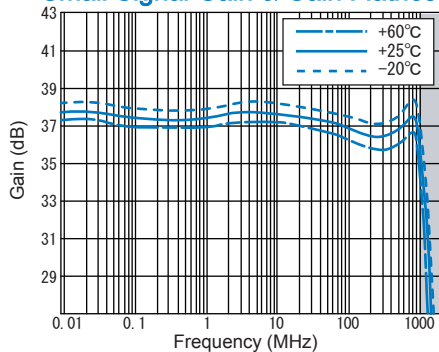
HOW TO ORDER

Model Name R&K-LA101-0S

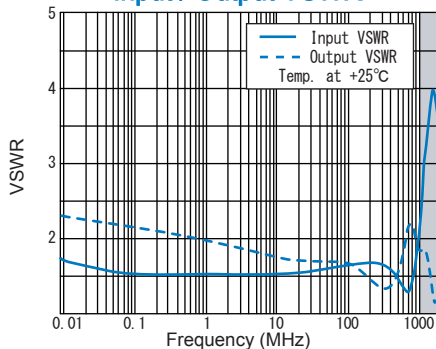
S = SMA - FEMALE
 B = BNC - FEMALE
 N = N - FEMALE

TYPICAL PERFORMANCE

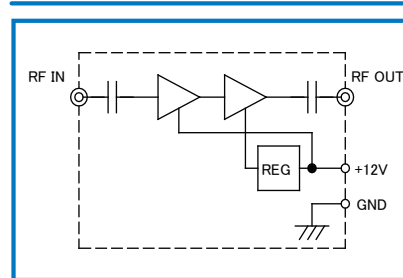
Small Signal Gain & Gain Flatness



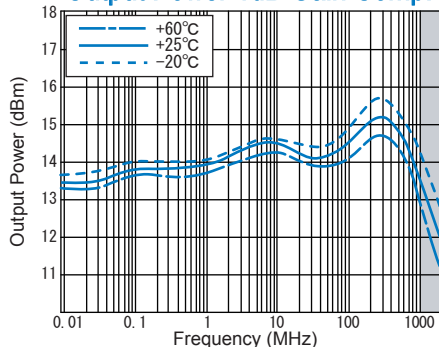
Input / Output VSWR



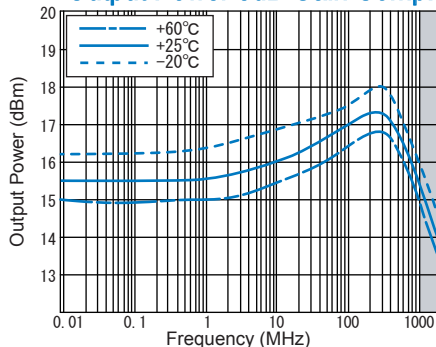
SCHEMATIC



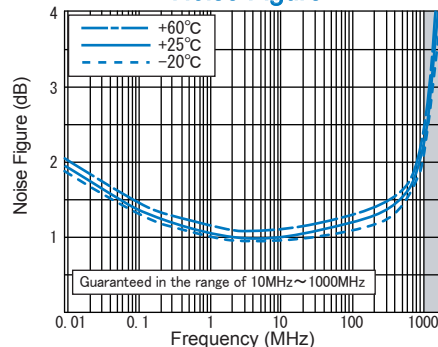
Output Power 1dB Gain Comp.



Output Power 3dB Gain Comp.



Noise Figure



* CHANGE Δ1 28/Dec./2017 Δ2 30/May/2018

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, The export of R&K products from Japan may be subject to an export license by the government of Japan, based on Japan's "Foreign Exchange and Foreign Trade Law".

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