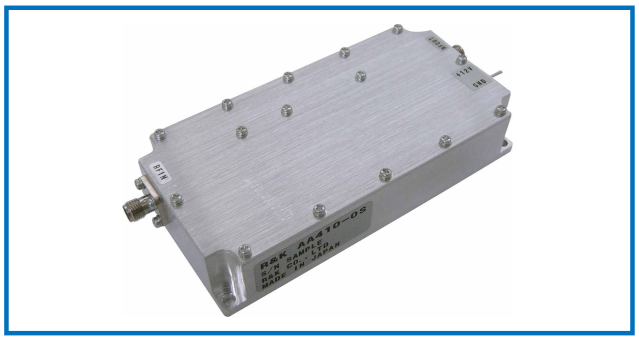
SMALL SIGNAL AMPLIFIER

R&K-AA410-0S



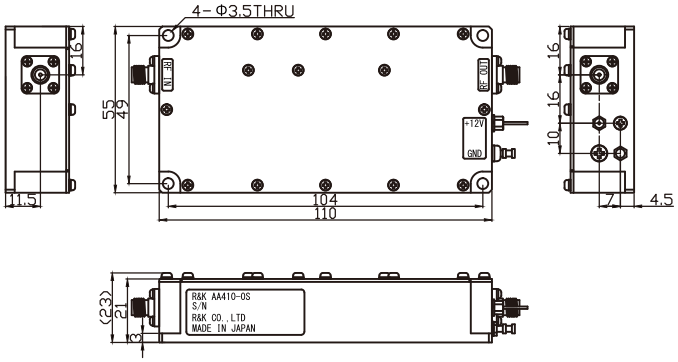
- Broadband Frequency : 500MHz～4000MHz
- Output Power : +33dBm @3GHz
- Gain Flatness : ±2.0dB (max.)
- Low Cost
- RoHS Compliance

SPECIFICATIONS

Frequency Range	: 500MHz ~ 4000MHz
Small Signal Gain	: +42dB (typ.) @3GHz
	: +40dB (min.)
Gain Flatness	: ±2.0dB (max.)
Output Power@1dB Comp.	: +33dBm (min.) @3GHz
Output I.C.P.	: +44dBm (typ.) @3GHz
Noise Figure	: 9.0dB (max.)
Impedance	: 50Ω
Input VSWR	: 1.8 : 1 (typ.)
Output VSWR	: 3.0 : 1 (typ.)
DC Supply Input	: +12V ±0.5V
	: 1.8A (max.)
Maximum RF Input Power	: −2dBm
Operating Temperature (@Base Plate Temp.)	: −20℃ to +60℃
Storage Temperature	: −20℃ to +80℃
Connectors (Standard)	: SMA-FEMALE
Connectors (Option)	: N-FEMALE
Weight (Standard)	: 240g (typ.)

OUTLINE DRAWING

※IN MILLIMETERS



Base plate must be grounded and mounted to heat sink to guarantee operation up to maximum temperature.

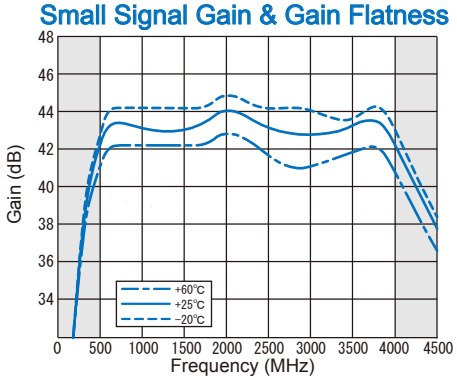
HOW TO ORDER

Model Name
R&K-AA410-0S

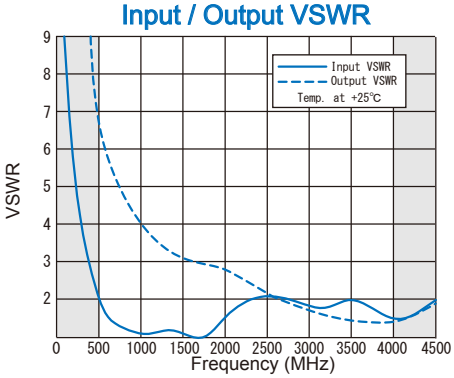
- S = SMA-FEMALE
- N = N-FEMALE
- 0 = Module
- 1 = With Heatsink & Fan

TYPICAL PERFORMANCE

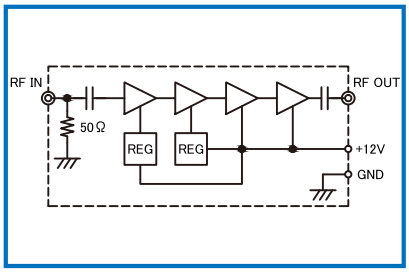
Small Signal Gain & Gain Flatness



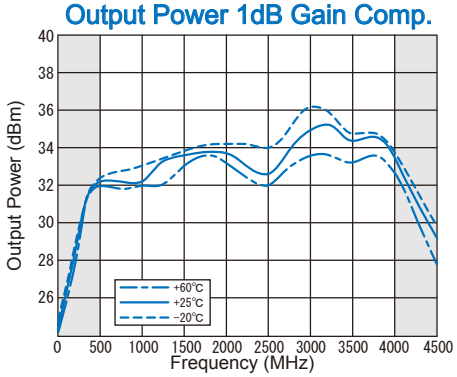
Input / Output VSWR



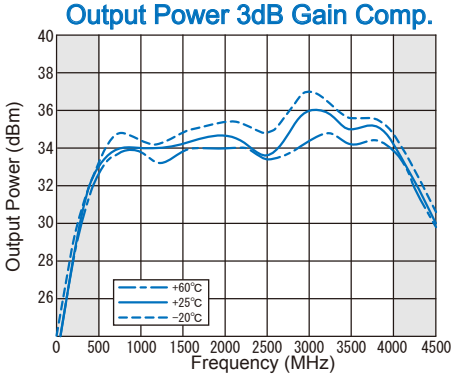
SCHEMATIC



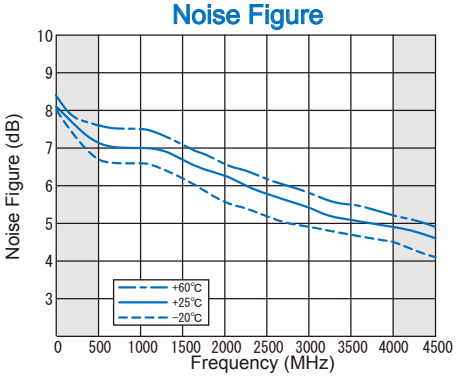
Output Power 1dB Gain Comp.



Output Power 3dB Gain Comp.



Noise Figure



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