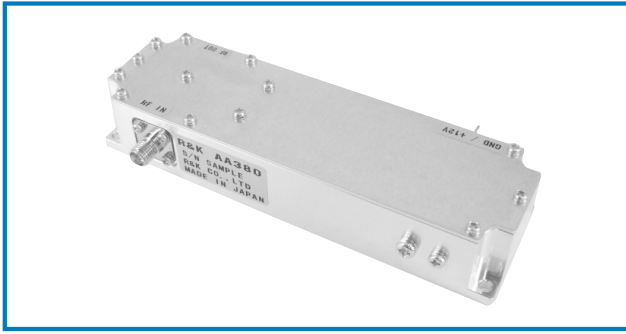
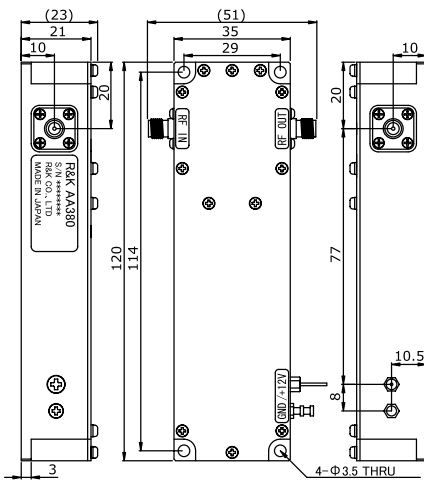


R&K-AA380-0S



OUTLINE DRAWING

※ IN MILLIMETERS



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

- Broadband Frequency : 13~16.5GHz
- Output Power : +35dBm @15GHz
- Gain Flatness : ±3dB
- Low Cost
- RoHS Compliance

SPECIFICATIONS

Frequency Range	: 13.0-16.5GHz
Small Signal Gain	: +22dB (typ.) @15GHz : +18dB (min.)
Gain Flatness	: ±3dB (max.)
Output Power@1dB Comp.	: +35dBm (min.) @15GHz
Output I.C.P.	: +45dBm (typ.)
Noise Figure	: 12dB (max.)
(Guaranteed Design Value)	
Impedance	: 50 Ω
Input VSWR	: 2.0 : 1 (typ.)
Output VSWR	: 3.0 : 1 (typ.)
DC Supply Input	: +12V ±0.5V : 3500mA (max.)
Maximum RF Input Power	: +23dBm (max.)
Operating Temperature (@Base plate temp.)	: -10°C to +50°C
Storage Temperature	: -20°C to +80°C
Connectors	: SMA-FEMALE
Weight	: 140g (typ.)

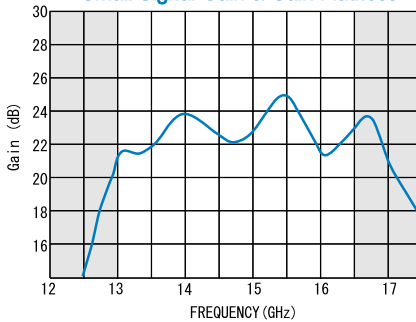
HOW TO ORDER

Model Name
R&K-AA380-0S

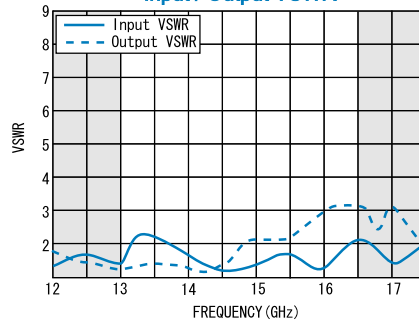
No Option
0=Module
1=With Heat Sink

TYPICAL PERFORMANCE (Temp @+25°C)

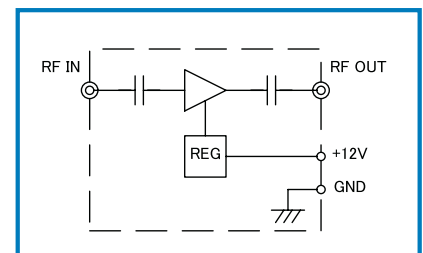
Small Signal Gain & Gain Flatness



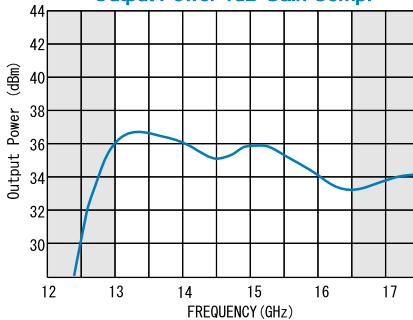
Input / Output VSWR



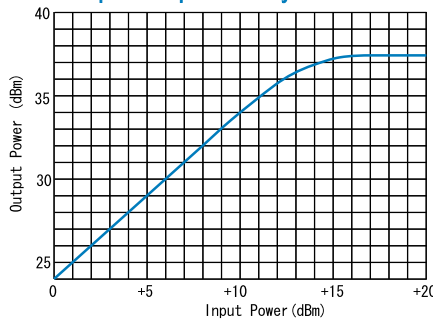
SCHEMATIC



Output Power 1dB Gain Comp.



Input - Output Linearity at 15GHz



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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