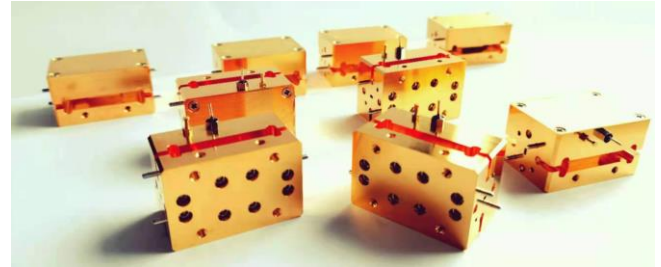


Low noise Amplifier Module

Product Features

- Frequency: 140-200GHz
- Small Signal Gain: 17dB
- Single power supply
- Overheat and over-current protection
- Over-voltage and under-voltage protection
- Input overload protection



Electrical Specs:

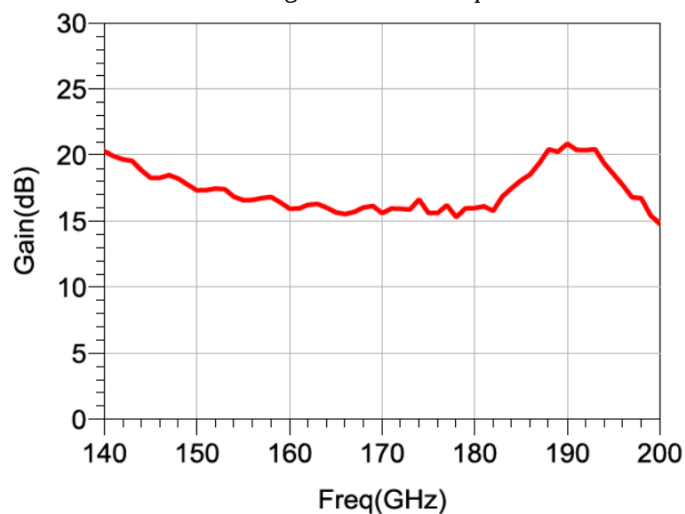
Parameter	Minimum	Typical	Maximum
Frequency Range	140 GHz		200 GHz
Small Signal Gain	15dB	17dB	21dB
Noise Figure		4.5dB	
Input Return Loss		2.5 dB	
Output Return Loss		2.5 dB	
Input Power			10dBm
DC Voltage	+5V	+7V	+8V
DC Supply Current		39 mA	
Specification Temperature		+25 °C	
Operating Temperature	+10 °C		+40 °C

Mechanical Specs:

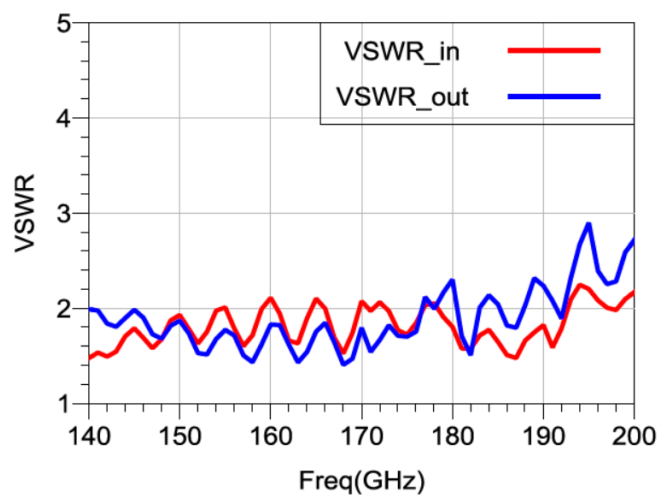
Item	Specification
Input	WR-05 Waveguide with W/UG-387/U-M Flange
Output	WR-05 Waveguide with W/UG-387/U-M Flange
Bias	Solder Pin
Case Material	Brass
Finish	Gold Plated
Weight	0.15kg
Size (W×L×H)	35 mm×30 mm×22 mm

Measured Performance:

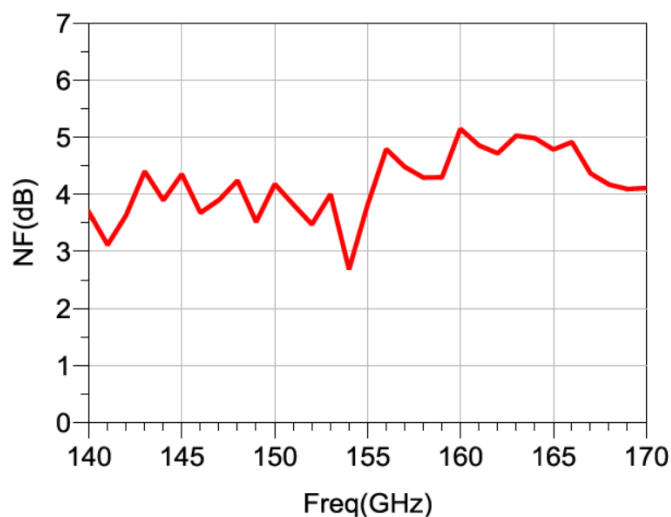
Small Signal Gain vs. Freq.



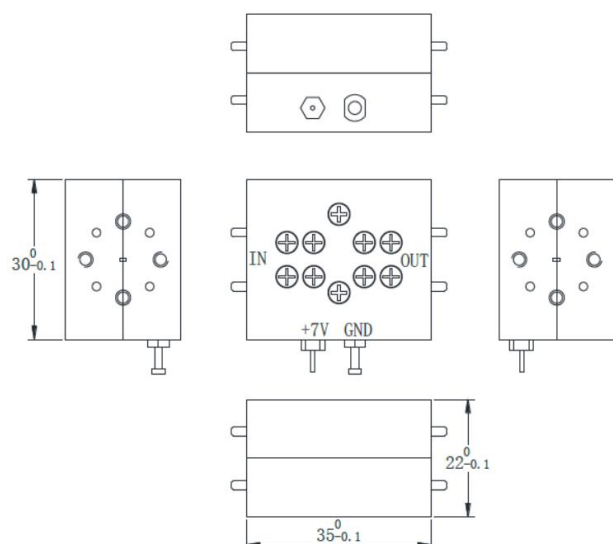
Input/Output VSWR vs. Freq.



NF vs. Freq.



Mechanical Outline:



Notes:

1. Datasheet may be changed according to update of MMIC, Raw materials , process, and so on.
2. This data is the typical performance for the reference.