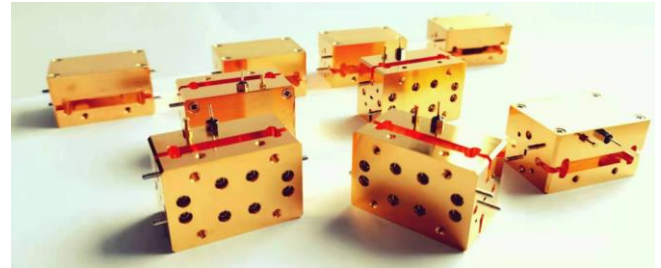


Low Noise Amplifier Module

Product Features

- Frequency: 230-260GHz
- Small Signal Gain: 19dB
- DC: 5V@43mA



Electrical Specs:

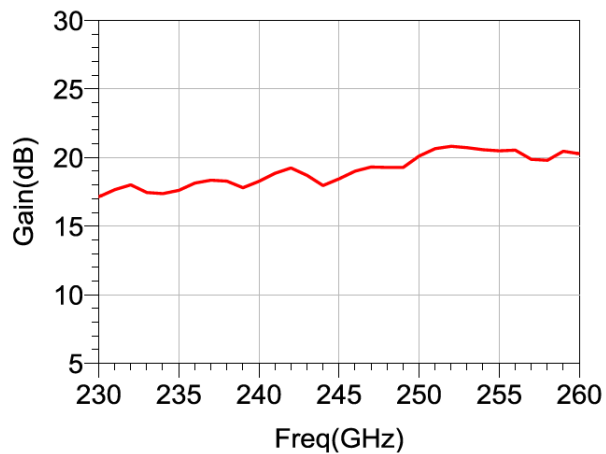
Parameter	Minimum	Typical	Maximum
Frequency Range(GHz)	230		260
Small Signal Gain(dB)		19	
Noise Figure (dBm)		-	
Input Power(dBm)			10
Input VSWR		2.5	
Output VSWR		3.5	
DC Voltage(V)		+5	+8
DC Supply Current(mA)		42	
Storage Temperature(°C)	0		50
Operating Temperature(°C)	10		+40

Mechanical Specs:

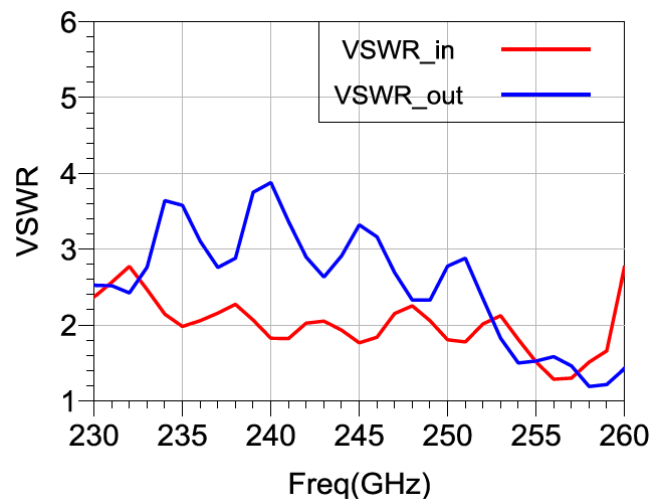
Item	Specification
Input	WR-3 Waveguide with W/UG-387/U-M Flange
Output	WR-3 Waveguide with W/UG-387/U-M Flange
Size (W×L×H)	35 mm×30 mm×22 mm; Tolerance: ±0.1mm

Measured Performance(V=5V, I=43mA):

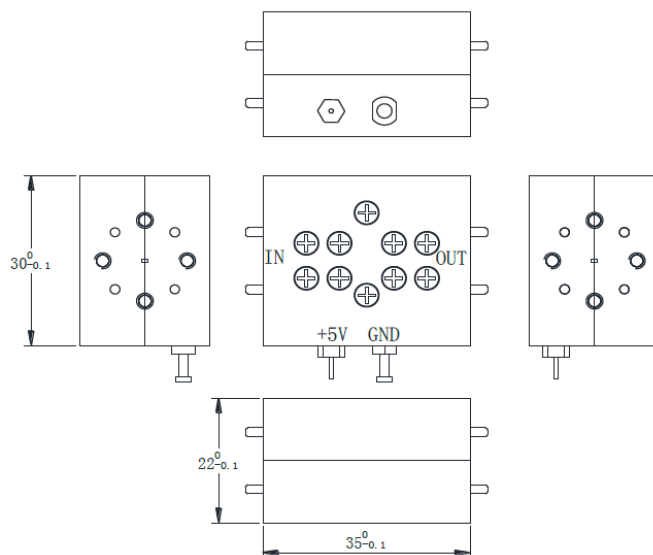
Small Signal Gain vs. Freq.



Input / output S11 vs. Freq.



Mechanical Outline:



Interface definition

Symbol	Function
IN	Input port, WR-3 waveguide
OUT	Output port, WR-3 waveguide
+5V	DC voltage
GND	Ground

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.