

Low noise Amplifier Module

Product Features

- Frequency: 22GHz~32GHz
- Gain =22dB
- NF=2.0dB
- Voltage regulator circuit integrated



Electrical Specs:

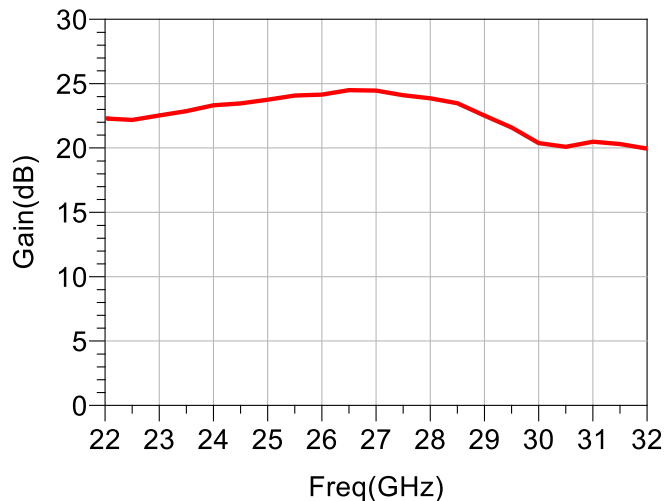
Parameter	Minimum	Typical	Maximum
Frequency Range	22GHz		32 GHz
Small Signal Gain		22dB	
Noise Figure		2.0dB	
Input Power			14dBm
P1dB		5dBm	
Input VSWR		2.2	
Output VSWR		2.3	
DC Voltage	+6V	+6V	+10 V
DC Supply Current		16 mA	
Specification Temperature	10℃	+25 ℃	40℃
Operating Temperature	0 ℃		+50 ℃

Mechanical Specs:

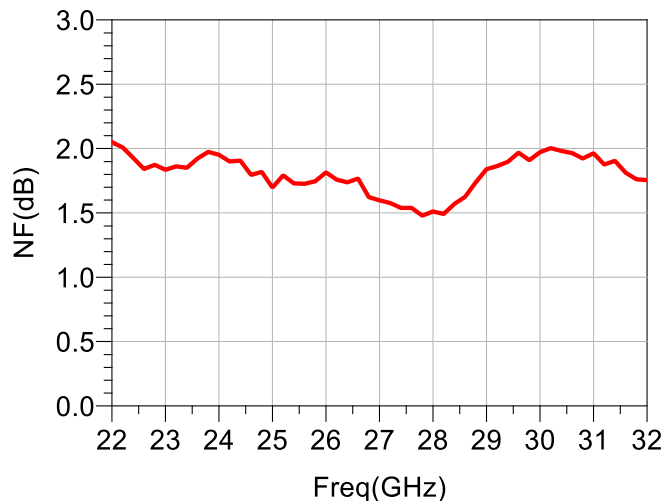
Item	Specification
Input	WR-34 Waveguide with UBR 260 TYPE Flange
Output	WR-34 Waveguide with UBR 260 TYPE Flange
Bias	Solder Pin
Case Material	Brass
Finish	Gold Plated
Weight	0.2kg
Size (W×L×H)	40 mm×30 mm×23 mm

Measured Performance:

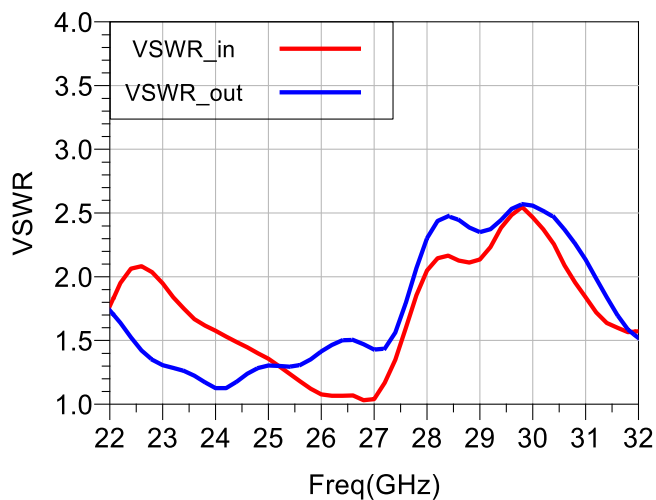
Small Signal Gain vs.Freq.



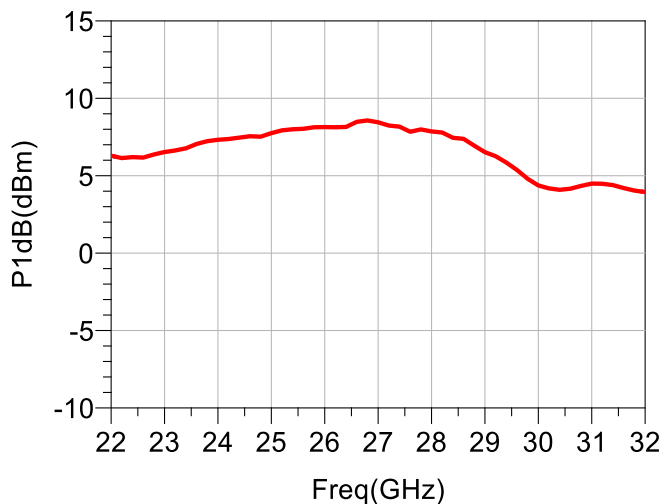
NF vs. Freq.



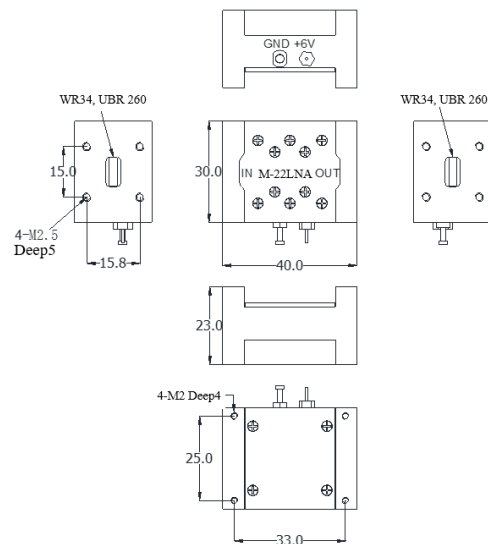
VSWR vs. Freq.



P1dB 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.