

Low noise Amplifier Module

Product Features

- Frequency: 32GHz~52GHz
- Gain =26dB
- NF=2.3dB
- Voltage regulator circuit integrated



Electrical Specs:

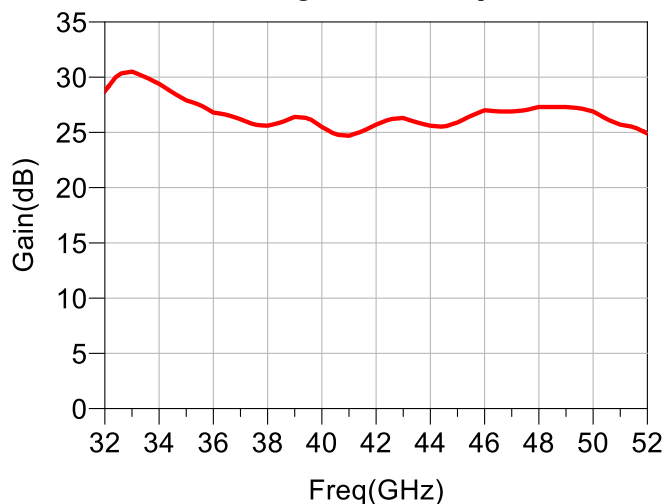
Parameter	Minimum	Typical	Maximum
Frequency Range	32GHz		52 GHz
Small Signal Gain		26dB	
Noise Figure		2.3dB	
Input Power			14dBm
P1dB		8dBm	
Input VSWR		2.2	
Output VSWR		2.3	
DC Voltage	+6V	+6V	+10 V
DC Supply Current		13 mA	
Specification Temperature	10 °C	+25 °C	40 °C
Operating Temperature	0 °C		+50 °C

Mechanical Specs:

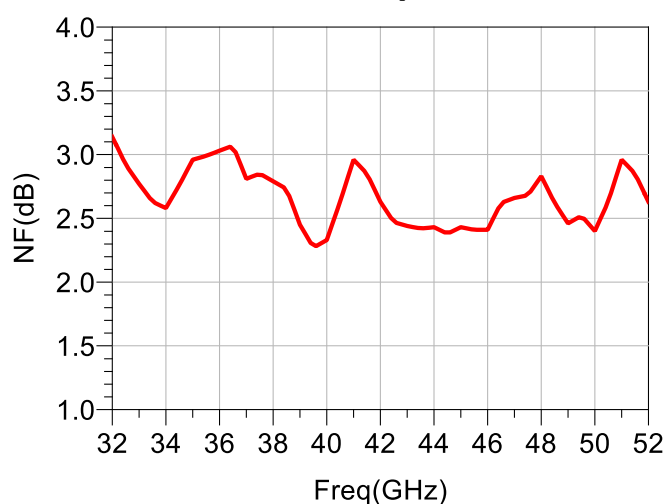
Item	Specification
Input	WR-22 Waveguide with W/UG-383/U-M Flange
Output	WR-22 Waveguide with W/UG-383/U-M Flange
Bias	Solder Pin
Case Material	Brass
Finish	Gold Plated
Weight	0.2kg
Size (W×L×H)	35 mm×30 mm×31 mm

Measured Performance:

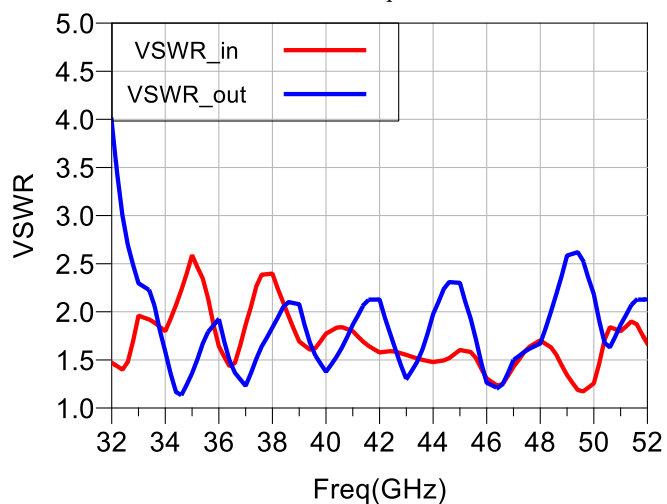
Small Signal Gain vs.Freq.



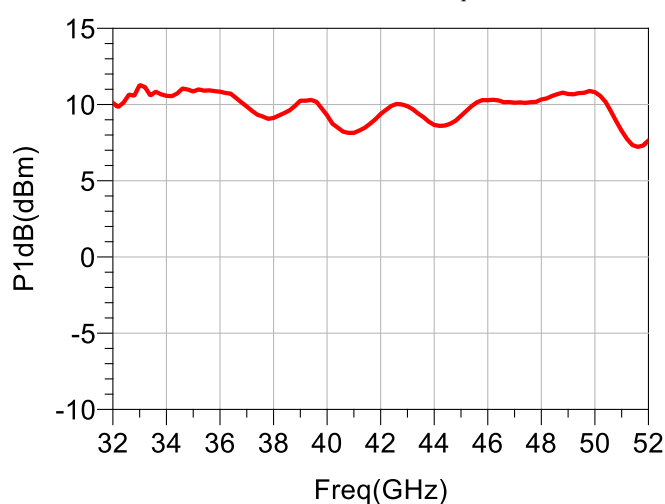
NF vs. Freq.



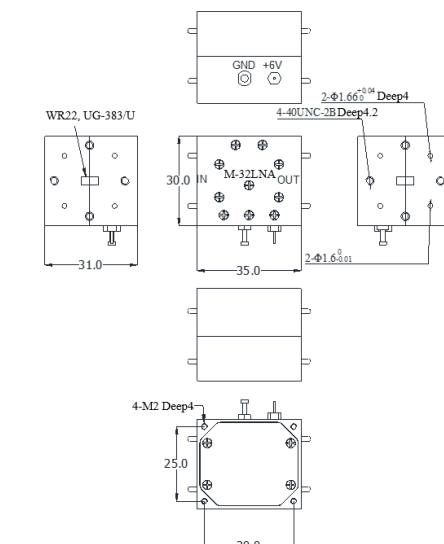
VSWR vs. Freq.



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.