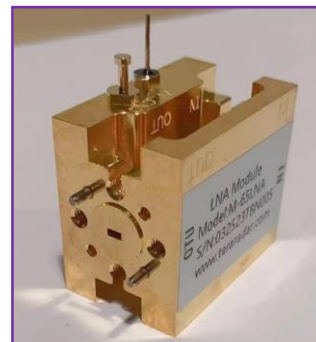


Low noise Amplifier Module

Product Features

- Frequency: 75GHz~110GHz
- Gain =20dB
- NF=3.5dB
- Voltage regulator circuit integrated



Electrical Specs:

Parameter	Minimum	Typical	Maximum
Frequency Range	75GHz		110 GHz
Small Signal Gain	18.9dB	20dB	21dB
Gain Flatness		±1dB	
Noise Figure		3.5dB	
Input Power			10dBm
P1dB		0dBm	
Input VSWR		1.8	3.2
Output VSWR		1.7	2.1
DC Voltage	+6V	+7V	+10 V
DC Supply Current		40 mA	
Specification Temperature	10℃	+25 ℃	40℃
Operating Temperature	0 ℃		+50 ℃

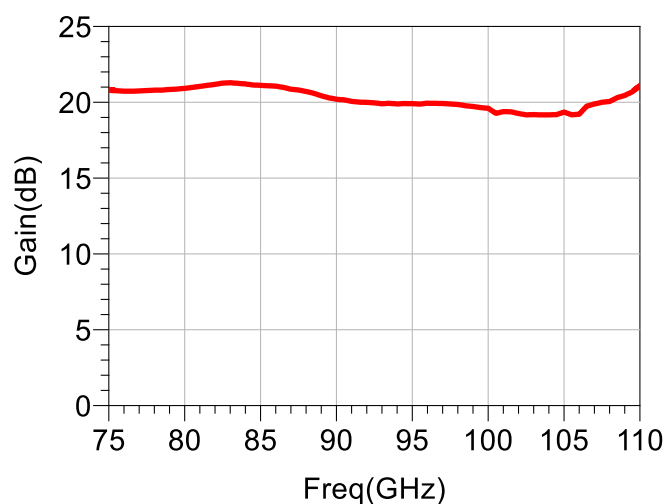
Mechanical Specs:

Item	Specification
Input	WR-10 Waveguide with W/UG-387/U-M Flange
Output	WR-10 Waveguide with W/UG-387/U-M Flange
Bias	Solder Pin
Case Material	Brass
Finish	Gold Plated
Weight	0.15kg

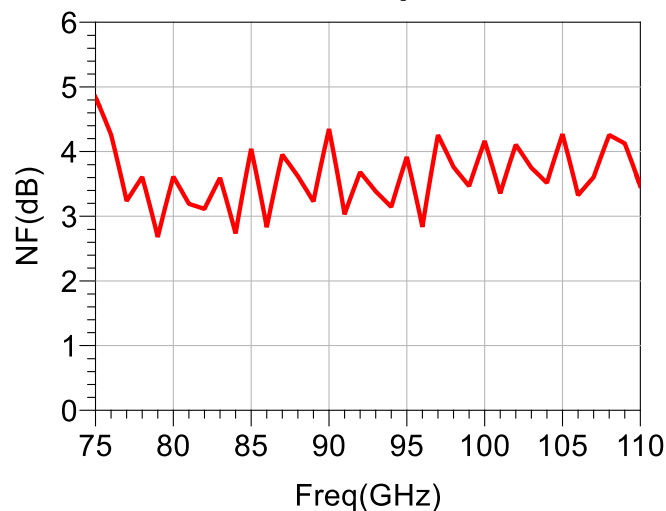
Size (W×L×H)	35 mm×30 mm×22 mm
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Measured Performance:

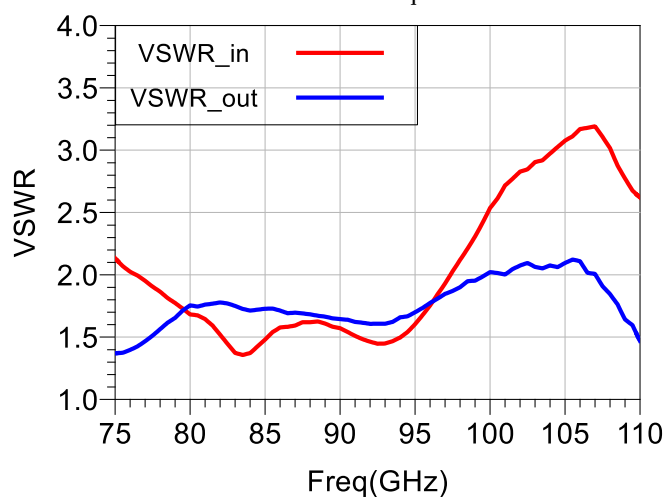
Small Signal Gain vs.Freq.



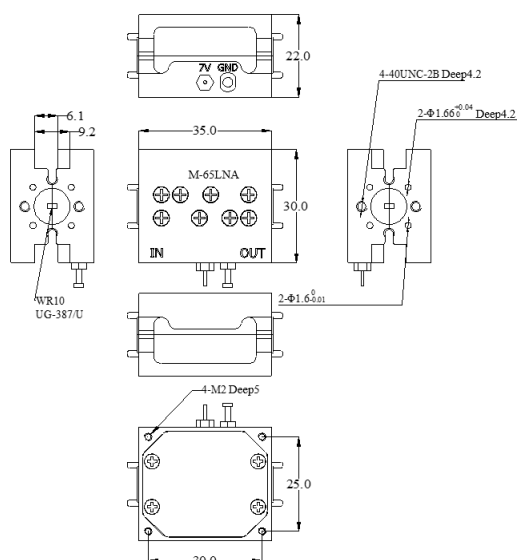
NF vs. Freq.



VSWR 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.