

Low noise Amplifier Module

Product Features

- Frequency: 110GHz~170GHz
- Gain =20dB
- NF=3.5dB
- Voltage regulator circuit integrated



Electrical Specs:

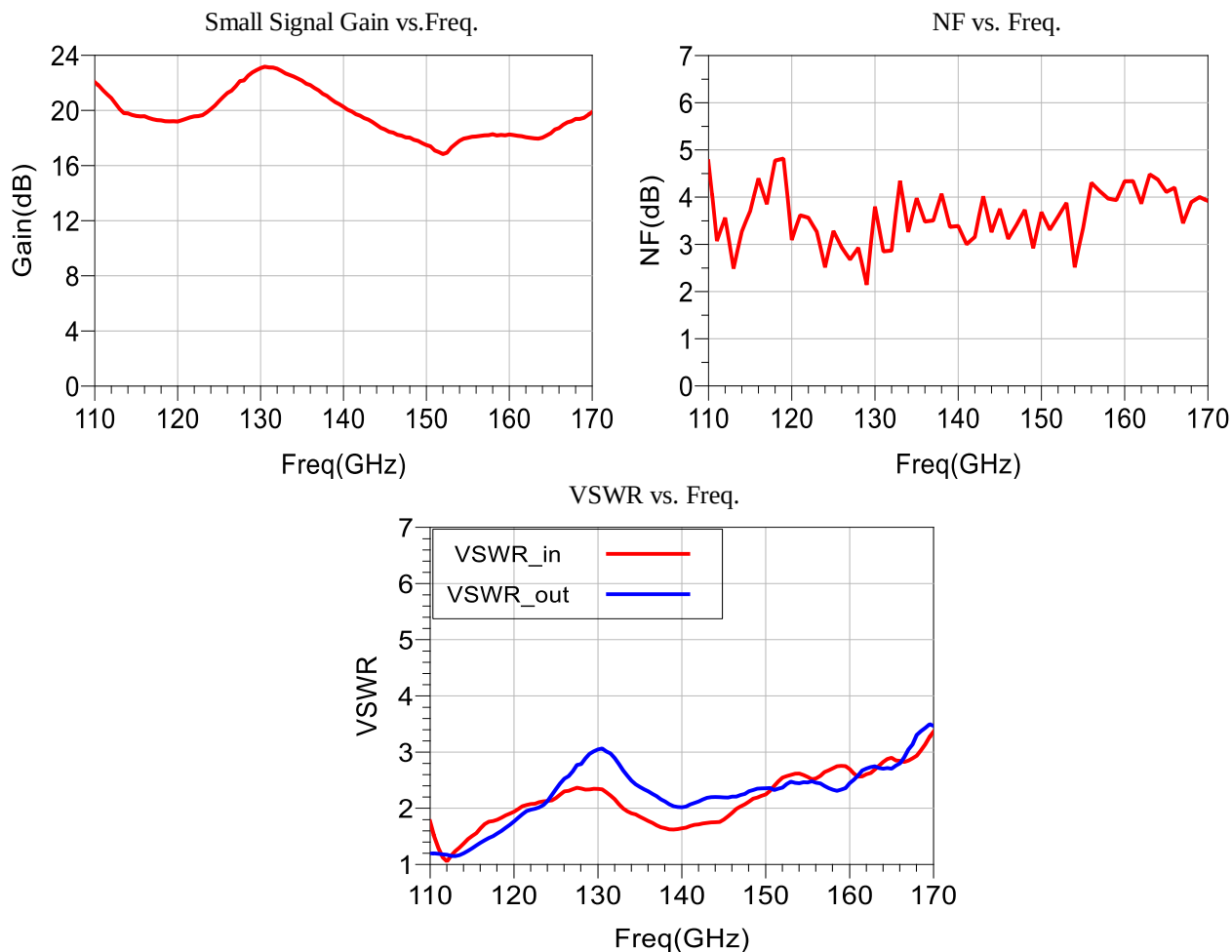
Parameter	Minimum	Typical	Maximum
Frequency Range	110 GHz		170 GHz
Small Signal Gain	17dB	20dB	23dB
Gain Flatness		±3dB	
Noise Figure		3.5dB	
P1dB		-2dBm	
Input Power			10dBm
Input VSWR		2.0	
Output VSWR		2.3	
DC Voltage	+6V	+7V	+10V
DC Supply Current		33 mA	
Specification Temperature	10 °C	+25 °C	40 °C
Operating Temperature	0 °C		+50 °C

Mechanical Specs:

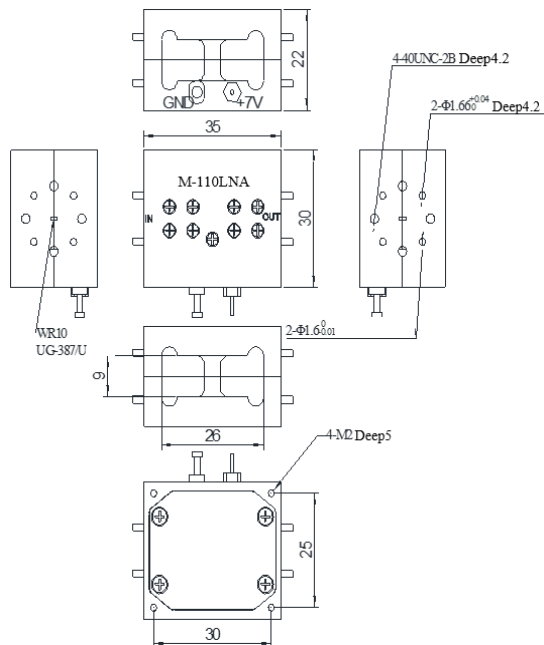
Item	Specification
Input	WR-06 Waveguide with W/UG-387/U-M Flange
Output	WR-06 Waveguide with W/UG-387/U-M Flange
Bias	Solder Pin
Case Material	Brass
Finish	Gold Plated
Weight	0.15kg

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



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.