

W Band LNA, 20dB Gain, NF=4dB



Product Overview

AT-LNA-75110-2004 is a low noise amplifier operating in the 75-110 GHz frequency range. The LNA is packaged in a waveguide module using industry standard WR10. The light weight gold plated aluminum module measures 57x33x22 mm.

MMIC technology LNA Chip is used, which ensures reliable and repeatable unit-to-unit result. Higher gain amplifier can be achieved.

More information, please visit www.atmicrowave.com

Advantages

- ✓ Frequency: 75-110GHz
- ✓ High Gain: 20dB
- ✓ NF: 4dB
- ✓ Single Supply

Application

- ✓ W band Imaging
- ✓ FOD (Foreigner Objects Debris)
- ✓ Test Equipment
- ✓ ROF (RF Over Fiber)
- ✓ Radar System

Key Features

Parameter	Min	Typical	Max
Frequency		75-110GHz	
Gain	18	20dB	
Noise Figure		4dB	6
Pin			-10dBm
Output P1dB	-1 dBm		
Drain Supply		+6V	+7V
Current		70mA	
Input Return Loss		-6dB	
Output Return Loss		-6dB	
RF Input/output Connector		WR-10	
Dimension(LxWxH)		57x33x22 mm	





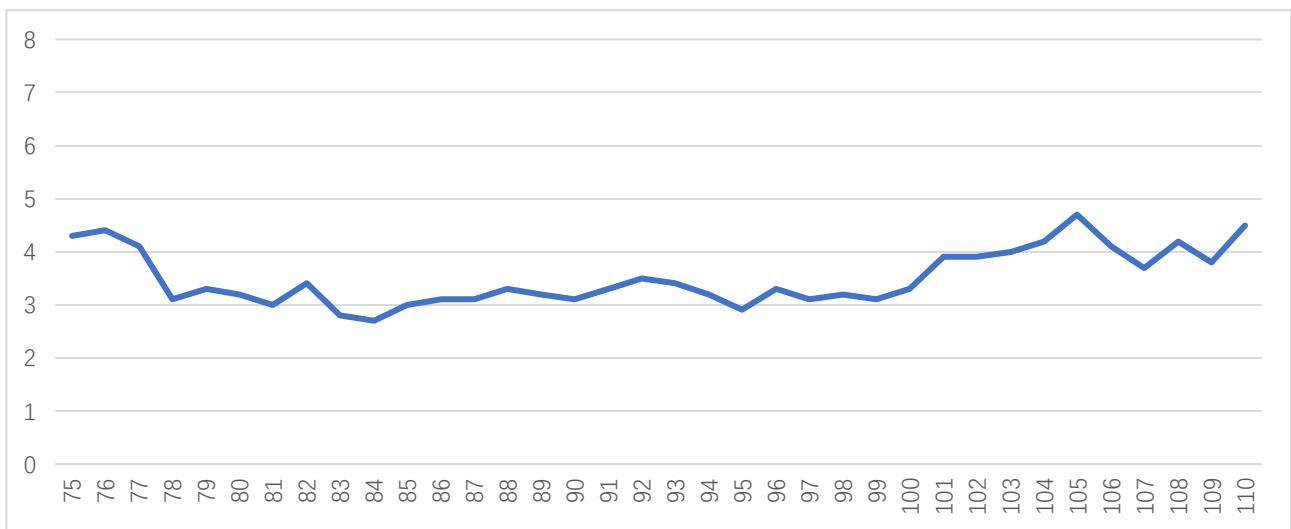
AT-LNA-75110-2004

75-110GHz 20dB Gain, NF 4dB Low Noise Amplifier

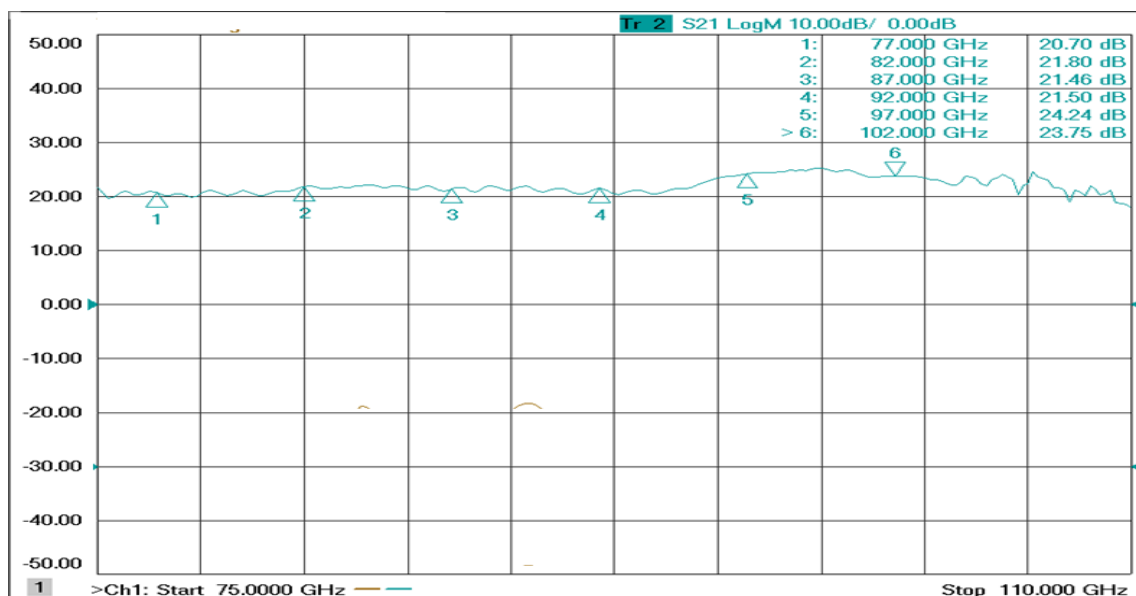
Absolute Maximum Ratings Table

Parameter	Value
Drain Supply	+8V
RF Input Power	-5dBm
Operating Temperature	0 to +50C
Storage Temperature	-65 to +150C

TEST DATA (25C)



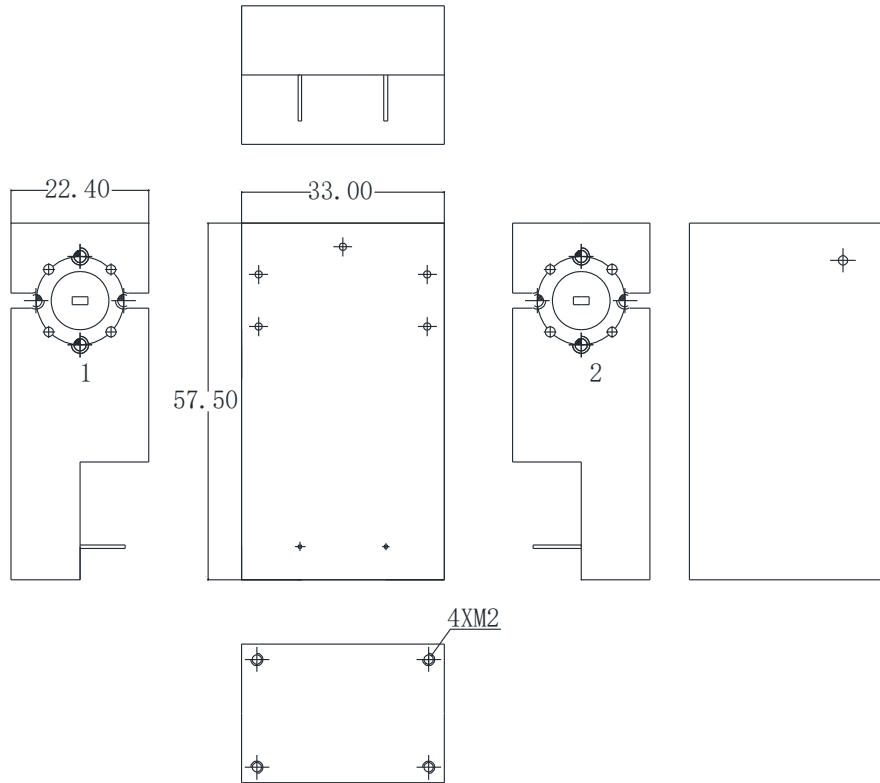
NF VS Frequency



GAIN VS FREQUENCY



Dimension: (mm)



Notes:

1. Datasheet may be changed according to update of MMIC, Raw materials , process, and so on.
2. This data is only for reference, not for guaranteed specifications.
3. Please contact AT Microwave team to make sure you have the most current data.

