AT-LNA-75105-2004-SV

75-105GHz 20dB Gain, NF 4dB Low Noise Amplifier

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

Description:

AT-LNA-75105-2004-SV is a low noise amplifier operating in the 75-105 GHz frequency range. The LNA is packaged in a waveguide module using industry standard WR10. The light weight gold plated aluminum module measures 26X21X20 mm.

MMIC technology LNA Chip is used, which ensures reliable and repeatable unit-to-unit result.

Feature

- ✓ Frequency: 75-105GHz
- ✓ High Gain: 20dB
- ✓ NF: 4dB
- ✓ Single Supply

Application

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

Electronical Specifications:

Parameter	Min	Typical	Max
Frequency		75-105GHz	
Gain	18	20dB	
Noise Figure		4dB	6
Psat		0dBm	
Drain Supply(Note2)		+5V/145mA	+6V
Input Return Loss		-6dB	
Output Return Loss		-6dB	
Dimension(LxWxH)		26x21x20 mm	

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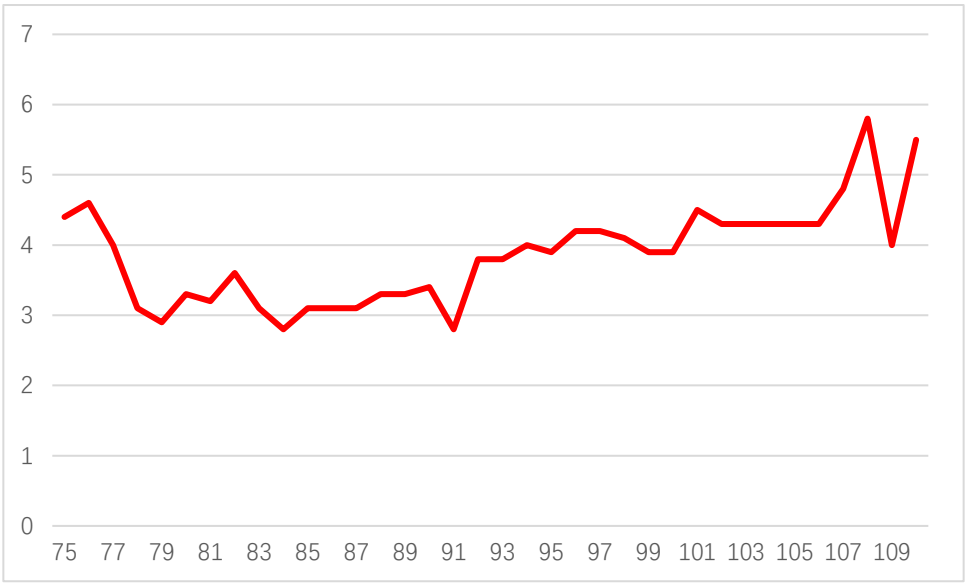
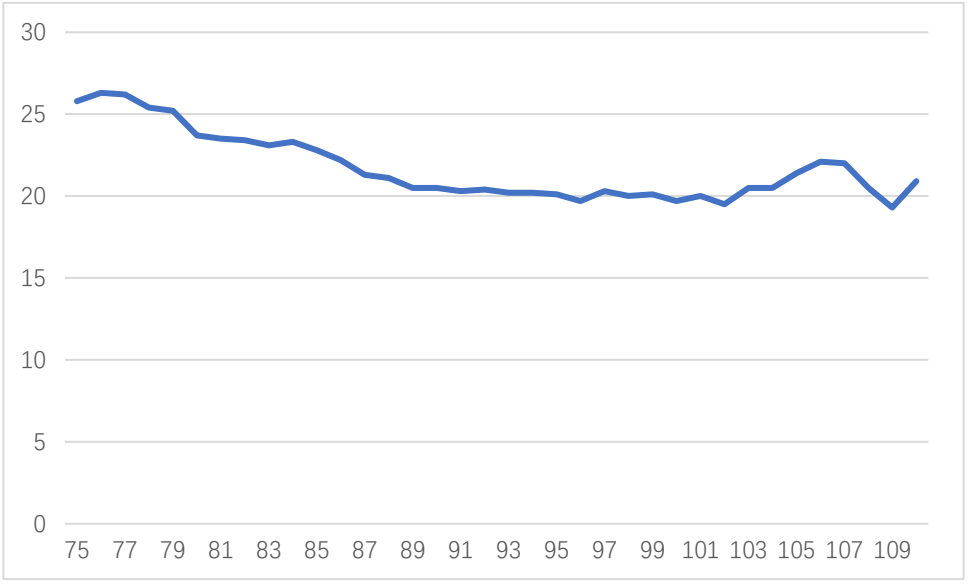
Absolute Maximum Ratings Table

Parameter	Value
Drain Supply	+6V
RF Input Power	-10dBm
Operating Temperature	-40 to +85C
Storage Temperature	-65 to +150C

TEST DATA (25C)



NF VS Frequency



GAIN VS FREQUENCY

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Dimension： （mm）