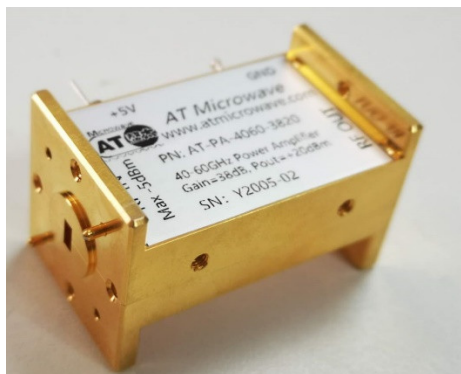


## 40-60GHz Broadband Low Noise Amplifier



### Product Overview

AT-LNA-4060-3505 is low noise amplifier with 35dB gain in the frequency of 40-60GHz. The DC power requirement is +5V/300mA. The module is with a standard WR-19 waveguide.

The LNA has high gain, high linearity, low input/output return loss and flat gain response.

More information, please visit [www.atmicrowave.com](http://www.atmicrowave.com)

### Advantages

- ✓ Frequency: 40-60GHz
- ✓ Small signal gain: 35Db
- ✓ NF 5dB
- ✓ Single Power Supply

### Application

- ✓ U Band Communication
- ✓ Test Equipment
- ✓ ROF (RF Over Fiber)
- ✓ Radar System

### Key Features

Parameter	Min	Typical	Max
Frequency		40-60GHz	
Gain	33	35dB	
Drain Supply		+5V	+7V
NF		5dB	
Input Power		-30dBm	-5dBm
P1		+15dBm	
Current		300 mA	
Input Return Loss		-8dB	
Output Return Loss		-12dB	
Dimension		70x30x30	
Material		Brass	



## Absolute Maximum Ratings Table

Parameter	Value
Drain Supply	+7V
RF Input Power	-5dBm
Operating Temperature	0 to +50C
Storage Temperature	-65 to +150C

### Caution:

Please pay attention to the case temperature. If case temperature exceed higher than +50C, heat sink and fan are required or the amplifier may be damaged.

### 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.

### Dimension: (unit in mm)

