

## U Band Low Noise Amplifier



### Product Overview

AT-LNA-4060-3306VC is Low Noise Amplifier with 6dB Noise Figure in the frequency of 40-60GHz. The DC power requirement is +220V. The module is with 1.85mm Female

AT Microwave can provide all kinds of coaxial low noise amplifiers, with frequency from 0.01-67GHz, gain from 20 to 60dB, Pout from +5 to +27dBm, and connectors from SMA to 1.85mm.

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

### Advantages

- ✓ Frequency: 40-60GHz
- ✓ Small signal gain: 33dB
- ✓ Noise Figure 6dB
- ✓ 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	30dB	33dB	
Gain Flatness		+/- 3dB	+/- 5dB
NF		6dB	7dB
P1dB		+14dBm	
Psat	+15dBm	+16dBm	
Drain Supply	90V	+240V	+240V
Power Consumption		10W	
Input Return Loss		-7 dB	
Output Return Loss		-7 dB	
Spec Temp		25C	





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40-60GHz Low Noise Amplifier

## Mechanical Information

Item	Description
Input Port	1.85mm Female
Output Port	1.85mm Female
Case Material	Aluminum
Finish	Painting
Weight	1.6kg
Size:	211x206.5x82.9mm

## Absolute Maximum Ratings Table

Parameter	Value
Drain Supply	+260V
RF Input Power	+15 dBm
Operating Temperature(note)	0 to +50C
Storage Temperature	-65 to +150C

## 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.





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**Dimension:** (unit in mm)

