

### 10MHz-26.5GHz High Gain Low Noise Amplifier



#### Product Overview

AT-LNA-0043-5004C is high gain low noise amplifier with 50dB gain in the frequency of 0.01-26.5GHz. The NF performance is 4.0dB from 100MHz to 26.5GHz. The DC power requirement is +5V/280mA. The module is with SMA connector.

The high gain LNA can be used in 5G communication, Optical communication and test equipment ,etc.

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

#### Advantages

- ✓ Frequency: 0.01-26.5GHz
- ✓ Small signal gain: 50dB
- ✓ NF=4.0dB
- ✓ Pout=+15dBm

#### Application

- ✓ 5G Communication
- ✓ Test Equipment
- ✓ ROF (RF Over Fiber)
- ✓ Radar System

#### Key Features

Parameter	Min	Typical	Max
Frequency		10MHz-26.5GHz	
Gain	46dB	50dB	
Gain Flatness		+/- 3dB	
NF(1-26.5GHz)		4.0dB	6.0dB
P1dB		+15dBm	
Psat		+16dBm	
Input Return Loss	-5	-10dB	
Output Return Loss	-5	-10dB	
Drain Supply		+5V	+8V
Idd		250mA	350mA
Spec Temp		25C	





# AT-LNA-0043-5004C

10MHz-26.5GHz Low Noise Amplifier

## Mechanical Information

Item	Description
Input Port	SMA Female
Output Port	SMA Female
Case Material	Copper
Finish	Gold Plated
Package Sealing	Epoxy Sealed
Weight (Without Heatsink)	80g
Size:	See outline

## Absolute Maximum Ratings Table

Parameter	Value
Drain Supply	+13V
RF Input Power	+10 dBm
Operating Temperature(note)	-20 to + 70C
Storage Temperature	-65 to +147C

Note: -40 to +85C is available according to request.

## Notes:

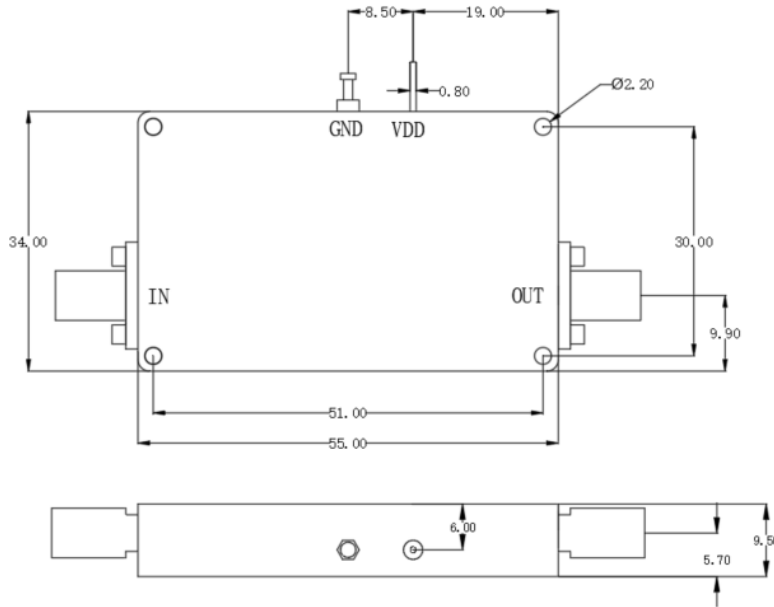
1. Datasheet may be changed according to update of MMIC, Raw materials , process, and so on.
2. This data is only for reference, not for guaranteed specifications.
3. Please contact AT Microwave team to make sure you have the most current data.

## Part Number Selection Guide

Item	Description
PN	Stand Module with DC Power Supply
PN- <b>LCBT</b>	<b>L</b> ow Cost, <b>C</b> ompact <b>B</b> ench- <b>T</b> op, +220V Supply with AC/DC Adapter



**Dimension:** (unit in mm)



	<26.5GHz	<40GHz	<50GHz	<67GHz
Connector	SMA	2.92mm	2.4mm	1.85mm
Lenth of a	9.4mm	9.5mm	10.8mm	11.3mm

Note: Female Default. Contact with us for other types.

Heatsink required if case temp over 50C

