



# AT-LNA-1826-3303H

## 18-26.5GHz Low Noise Amplifier

### 18-26.5GHz Low NF Low Noise Amplifier



#### Product Overview

AT-LNA-1826-3303H is super low NF, broadband low noise amplifier from 18GHz to 26.5GHz. The NF is 3dB for the full-band. The DC power requirement is +5V/150mA. It also works with power supply from +5V to +8V. The module is with SMA 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: 18-26.5GHz
- ✓ Small signal gain: 33dB
- ✓ Noise Figure: 3 dB
- ✓ Single Power Supply

#### Application

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

### Key Features

Parameter	Min	Typical	Max
Frequency		18-26.5GHz	
Gain	30dB	33dB	
Gain Flatness		+/-1.5dB	
NF		3dB	4dB
P1dB		+10dBm	
Psat		+12dBm	
Drain Supply		+5V	+8V
Current		150 mA	200mA
Input Return Loss	-5	-10 dB	
Output Return Loss	-5	-10 dB	
Spec Temp		25C	





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## Mechanical Information

Item	Description
Input Port	SMA Female
Output Port	SMA Female
Case Material	Copper
Package Sealing	Epoxy Sealed
Finish	Gold Plated
Weight	50g
Size:	30x30x14 mm

## Absolute Maximum Ratings Table

Parameter	Value
Drain Supply	+13V
RF Input Power	+10dBm
Operating Temperature(note)	-20 to +70C
Storage Temperature	-65 to +150C

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

## Notes:

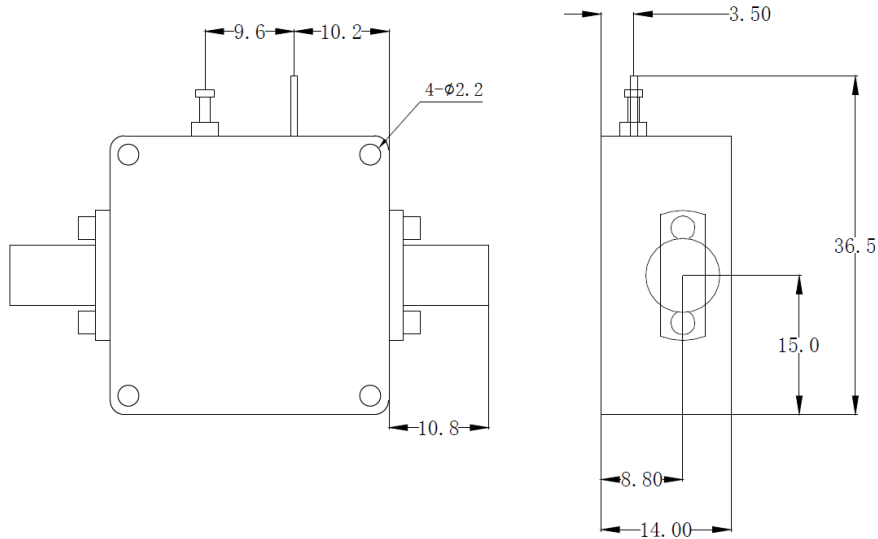
1. Datasheet may be changed according to update of MMIC, Raw materials , process, and so on.
2. This data is only for reference, not for guaranteed specifications.
3. Please contact AT Microwave team to make sure you have the most current data.

## 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

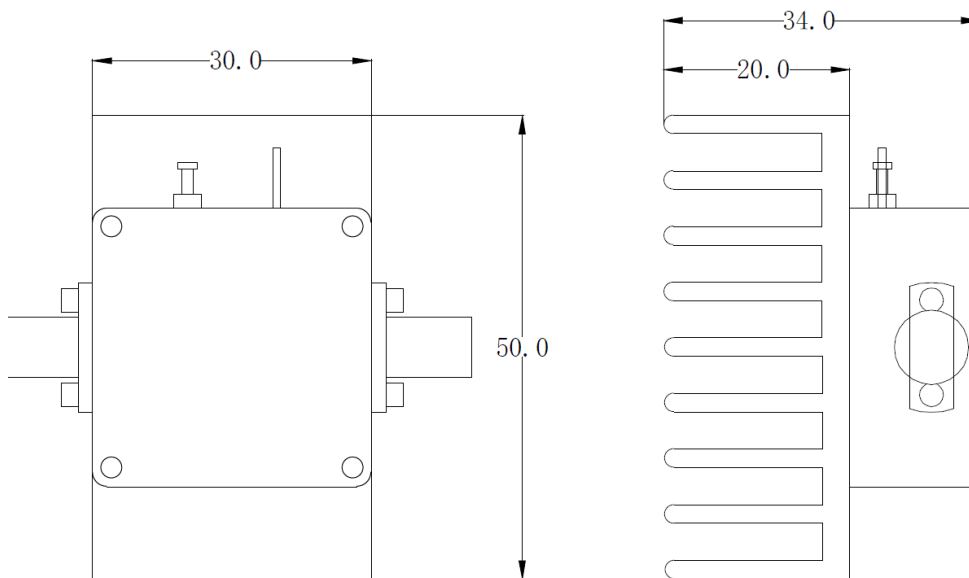


**Dimension:** (unit in mm)



	<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.



Including a small heatsink without Fan if output Power higher than +20dBm.  
Customers can removed it or use their own heatsink according to actual situation.

**Heat Sink Required If Case Temp Higher Than 50C**

