



# AT-BTLNA-5075-3805T

Full V Band Low Noise Amplifier

## 50-75GHz Broadband Low Noise Amplifier Bench-top LNA, WR-15, NF=4dB



### Product Overview

AT-BTPA-5075-3805T is low noise amplifier with 38dB gain in the frequency of 50-75GHz. The AC power requirement is +90 to +240V. The module is with a standard WR-15 waveguide.

High gain modules with 35dB gain modules is available, PN: AT-BTLNA-5075-3805T.

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

### Advantages

- ✓ Frequency: 50-75GHz
- ✓ NF: 5dB
- ✓ Small signal gain: 38dB
- ✓ Single Power Supply

### Application

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

### Key Features

Parameter	Min	Typical	Max
Frequency		50-75GHz	
Gain	35	38dB	
NF		5 dB	6dB
P1dB		+5dBm	
Psat		+8dBm	
Power Supply	90V	240V	260V
Power Consumption		10W	
Input Return Loss		-8dB	
Output Return Loss		-12dB	
Spec Temp		25C	





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## Mechanical Information

Item	Description
Input Port	WR-15
Output Port	WR-15
Case Material	Aluminum
Finish	Painting
Weight (Without Heatsink)	1.6KG
Size:	206.7x167x82.9mm

## Absolute Maximum Ratings Table

Parameter	Value
Drain Supply	+260V
RF Input Power	+10dBm
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.





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**Dimension:** (unit in mm)

