

### 3GHz-67GHz Broadband Amplifier

### High Gain=50dB, 1.85mm



#### Product Overview

AT-BB-0367-5015C is broadband amplifier from 3GHz-67GHz, with  $P_{out}=+15dBm$ ,  $NF=6dB$ . It can be used both as Power amplifier or low noise amplifier. The DC power requirement is  $+8V/450mA$ . The module is with 1.85mm Female

The broadband amplifier 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: 3GHz-67GHz
- ✓  $P_{sat}$ : +15dBm
- ✓ Small signal gain: 50dB
- ✓ Single Power Supply

#### Application

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

#### Key Features

Parameter	Min	Typical	Max
Frequency		3GHz-67GHz	
Gain	45dB	50dB	
P1dB		3-50GHz: +15dBm 50GHz-67GHz: +13dBm	
$P_{sat}$		3-50GHz: +18dBm 50GHz-67GHz: +14dBm	
Drain Supply		+8V	+12V
Current		450 mA	
NF(3-50GHz)		6dB	8dB
Input Return Loss		-8dB	
Output Return Loss		-8dB	
Spec Temp		25C	





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## Mechanical Information

Item	Description
Input Port	1.85mm Female
Output Port	1.85mm Female
Case Material	Copper
Finish	Gold Plated
Package Sealing	Epoxy Sealed
Weight	150g
Size:	See outline

## Absolute Maximum Ratings Table

Parameter	Value
Drain Supply	+13V
RF Input Power	+5 dBm
Operating Temperature	-20 to +70C
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.

## 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



