

## 10MHz-50GHz Broadband Amplifier



### Product Overview

AT-BTBB-0050-4020C is broadband amplifier from 10MHz-50GHz, with  $P_{out}=+22\text{dBm}$ ,  $NF=6\text{dB}$ . It can be used both as Power amplifier or low noise amplifier.

The AC power requirement is +220V. The module is with 2.4mm Female

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

### Advantages

- ✓ Frequency: 10MHz-50GHz
- ✓  $P_{sat}$ : +22dBm
- ✓ Small signal gain: 40dB
- ✓ Bench-Top Test

### Application

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

### Key Features

Parameter	Min	Typical	Max
Frequency		10MHz-50GHz	
Gain	35dB	40dB	
Gain Flatness		+/-3dB	+/-5dB
P1dB		10MHz-35GHz: +20dBm 35GHz-50GHz: +16dBm	
$P_{sat}$		10MHz-35GHz: +22dBm 35GHz-50GHz: +18dBm	
Drain Supply	+90v	+220V	240V
NF (1-40GHz)		6dB	
Input Return Loss		-10dB	
Output Return Loss		-10dB	
Spec Temp		25C	





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## Mechanical Information

Item	Description
Input Port	2.4mm Female
Output Port	2.4mm Female
Case Material	Aluminum
Finish	Painting
Weight	1.6KG
Size:	See Outline

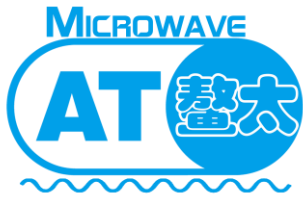
## Absolute Maximum Ratings Table

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





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**Dimension:** (unit in mm)

