



AT-BTPA-4067-3832VGN

40-67GHz Power Amplifier

40-67GHz Broadband Amplifier, +32dBm

2022-3-25

Bench-top Test Equipment



Product Overview

AT-PA-4067-3832VGN is high gain power amplifier with +32dBm output power in the frequency of 40-67GHz. The AC power requirement is +90 to 240V. The module is with 1.85mm connector, and WR-19 waveguide connector is available according to request.

The power amplifier has high gain, high linearity, low input/output return loss and flat gain response.

More information, please visit www.atmicrowave.com

Advantages

- ✓ Frequency: 40-67GHz
- ✓ Pout:+32dBm
- ✓ Small signal gain: 38dB
- ✓ Bench-top Test

Application

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

Key Features

Parameter	Min	Typical	Max
Frequency		40-67GHz	
Small Signal Gain	35dB 30dB	40-60GHz: 38dB 60-67GHz: 33dB	
Gain Flatness (40-60GHz)		+/-4dB	
P1dB	+25dBm	+27dBm	
Psat	+30.5dBm	+32dBm	
Drain Supply	90V	220V	240V
Power Consumption		40W	
Input Return Loss		-10dB	
Output Return Loss		-7dB	
Spec Temp		25C	

Shanghai AT Microwave Limited

Tel:021-6229 1233

Email:sales@atmicrowave.com

www.atmicrowave.com





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Mechanical Information

Item	Description
Input Port	1.85mm Female
Output Port	1.85mm Female
Case Material	Aluminum
Finish	Painting
Weight	1.6KG
Size:	See Outline

Absolute Maximum Ratings Table

Parameter	Value
Drain Supply	+260V
RF Input Power	+15 dBm
Operating Temperature	0 to +50C
Storage Temperature	-40 to +125C

Caution:

Please pay attention to the case temperature. If case temperature exceeds 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 mm)

