

40-67GHz Broadband Amplifier, +32dBm

2021-9-10



Product Overview

AT-PA-4067-3532GN is high gain power amplifier with +32dBm output power in the frequency of 4067GHz. The DC power requirement is +16V/1.5A. Supply voltage can be from +16 to +20V. The module is with 1.85mm connector.

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: 35dB
- ✓ Single Power Supply

Application

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

Key Features

Parameter	Min	Typical	Max
Frequency		40-65GHz	67GHz
Gain	33dB	35dB	
Gain Flatness		+/-3dB	+/-4.5dB
P1dB		+28dBm	
Psat		+32dBm	
Drain Supply		+16V	+20V
Current/Quiscent		0.97A	
IDD Psat		1.55A	
Input Return Loss		-10dB	
Output Return Loss		-7dB	
Spec Temp		25C	





AT-PA-4067-3532GN

40-67GHz Power Amplifier

Mechanical Information

Item	Description
Input Port	1.85mm Female
Output Port	1.85mm Female
Case Material	Copper
Finish	Gold Plated
Weight (Without Heatsink)	150g
Size:	60X45X14mm

Absolute Maximum Ratings Table

Parameter	Value
Drain Supply	+24V
RF Input Power	+15 dBm
Operating Temperature	-20 to +70C
Storage Temperature	-67 to +150C

Caution:

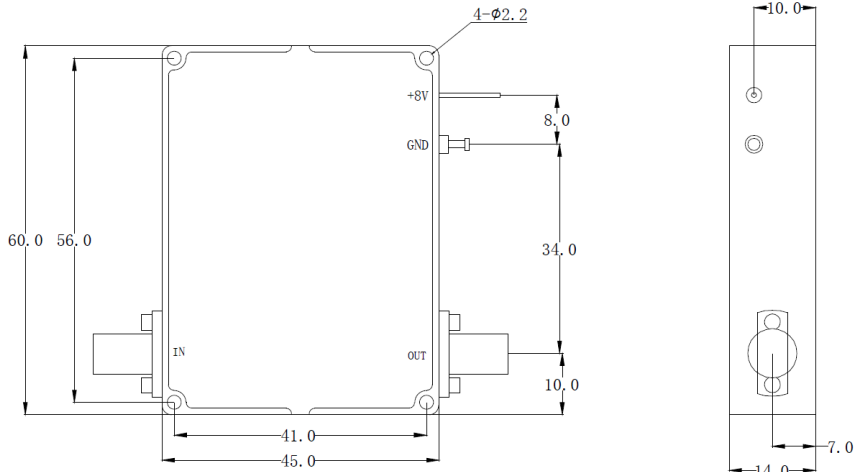
Please pay attention to the case temperature. If case temperature exceed higher than +50C, heat sink and fan are required, or the amplifier may be damaged.

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.

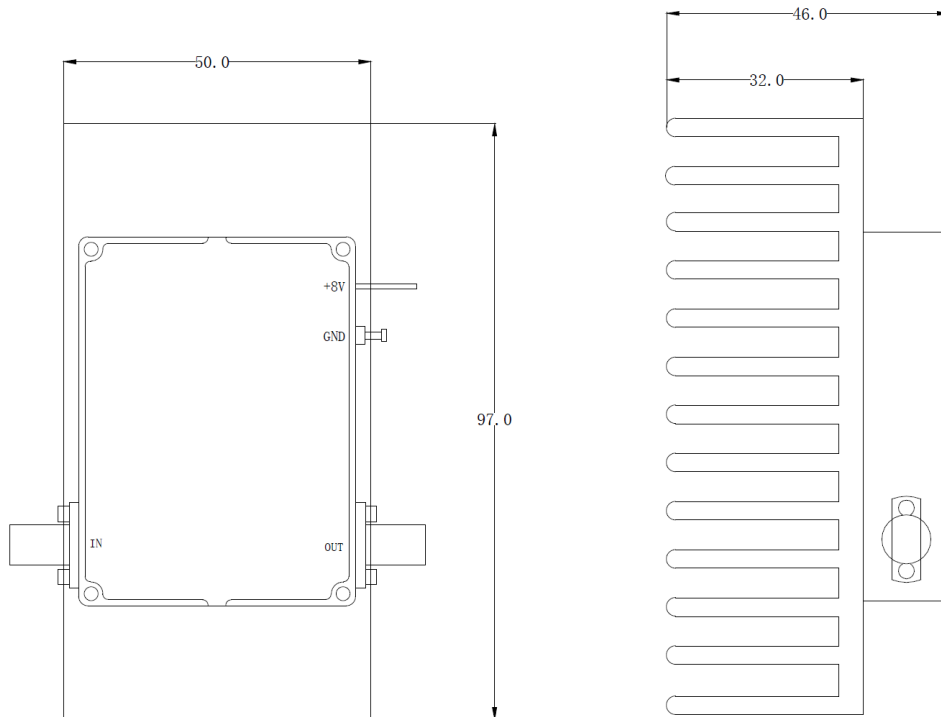


Dimension: (unit mm)



	<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 During Operation if case Temp higher than 50C

