

AT-BB-0022-2732A

100MHz-22GHz Broadband Amplifier

100MHz-22GHz Broadband Amplifier

2020-12-20



Product Overview

AT-PA-0022-2732A is broadband amplifier from 100MHz-22GHz, with $P_{out}=+32dBm$. The DC power requirement is +16V/800mA. The module is with 3.5mm Female.

The high power makes it suitable for many applications. The broadband amplifier has high gain, high linearity, low input/output return loss and flat gain response. Bench-top test equipment type with 110-240V power supply is available according to request.

More information, please visit www.atmicrowave.com

Advantages

- ✓ Frequency: 100MHz-22GHz
- ✓ P_{sat} : +32dBm
- ✓ Small signal gain: 27dB
- ✓ Single Power Supply

Application

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

Key Features

Parameter	Min	Typical	Max
Frequency		100MHz-22GHz	
Gain	25	27dB	
P1dB		100MHz-10GHz: +30dBm 10-22GHz: +28dBm	
Psat		100MHz-10GHz: +32dBm 10-22GHz: +30dBm	
Drain Supply		+16V	+17
Current		800 mA	950mA
Input Return Loss		-10dB	
Spec Temp		25C	

Shanghai AT Microwave Limited

Tel:021-6229 1233

Email:sales@atmicrowave.com

www.atmicrowave.com





AT-BB-0022-2732A

100MHz-22GHz Broadband Amplifier

Mechanical Information

Item	Description
Input Port	3.5mm Female
Output Port	3.5mm Female
Case Material	Copper
Finish	Gold Plated
Package Sealing	Epoxy Sealed
Weight (Without Heatsink)	150g
Size:	59x30x9.5 mm

Absolute Maximum Ratings Table

Parameter	Value
Drain Supply	+18V
RF Input Power	+13 dBm
Operating Temperature	-20 to +70C
Storage Temperature	-65 to +150C

Caution:

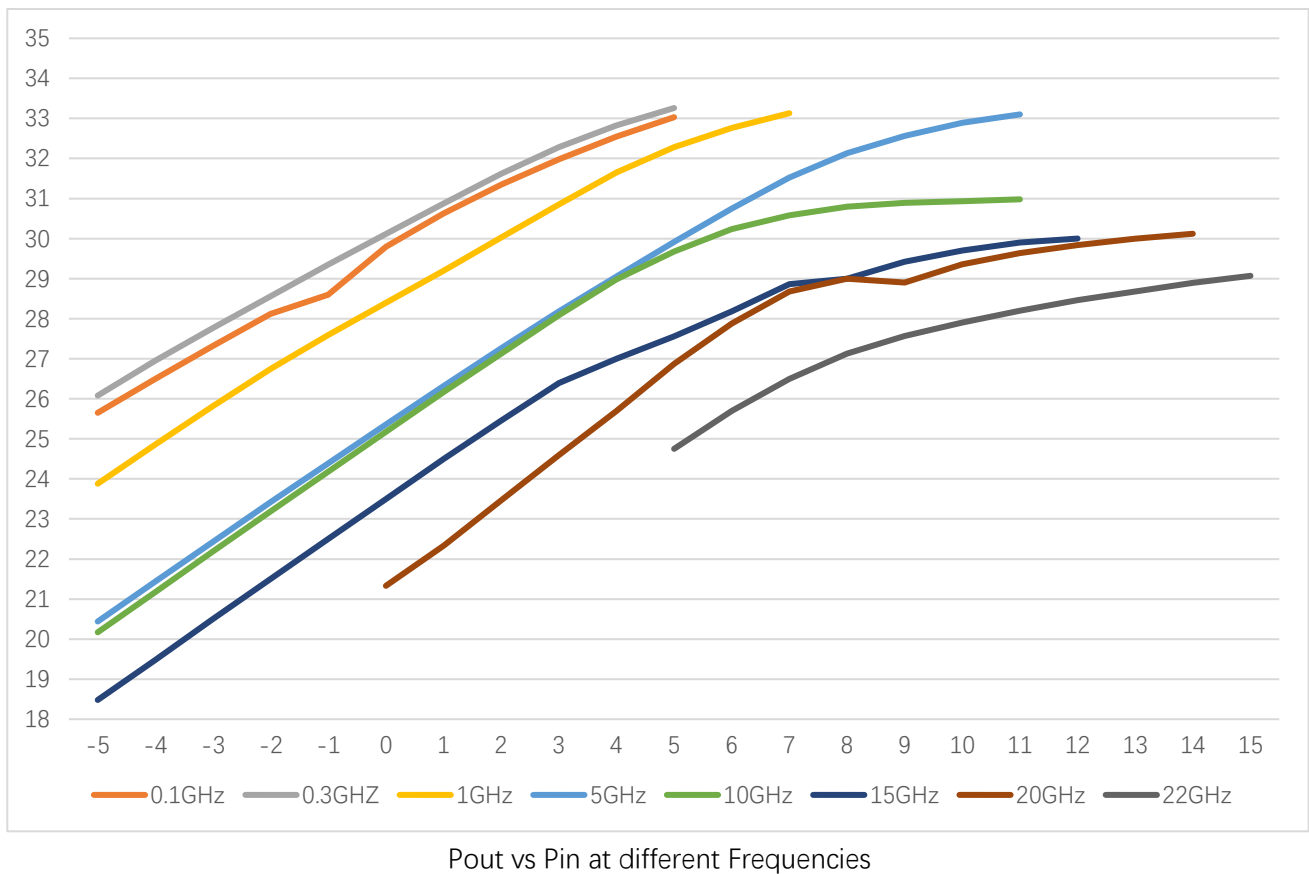
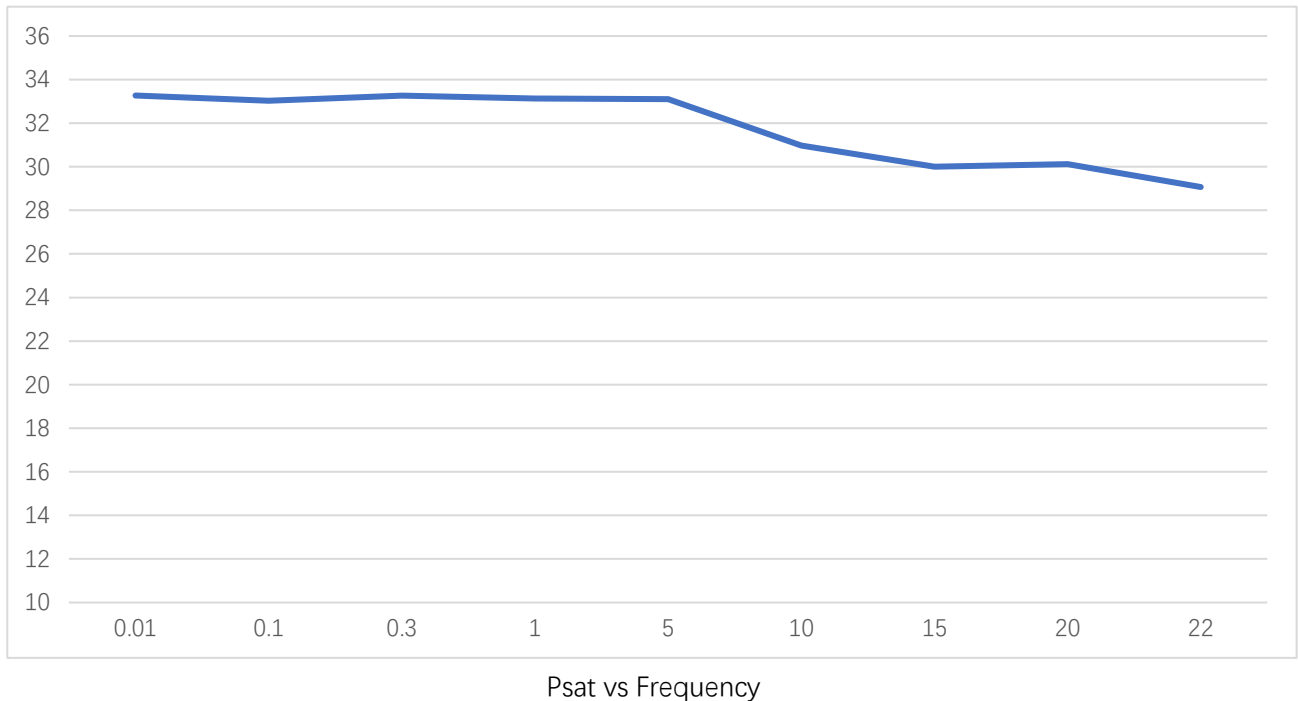
Please pay attention to the case temperature. If case temperature exceed higher than +50C, heat sink and fan are required, or the amplifier may be damaged.

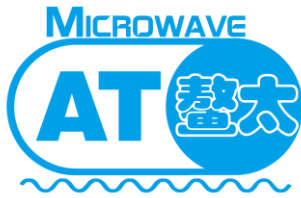
Notes:

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.



Test Data:

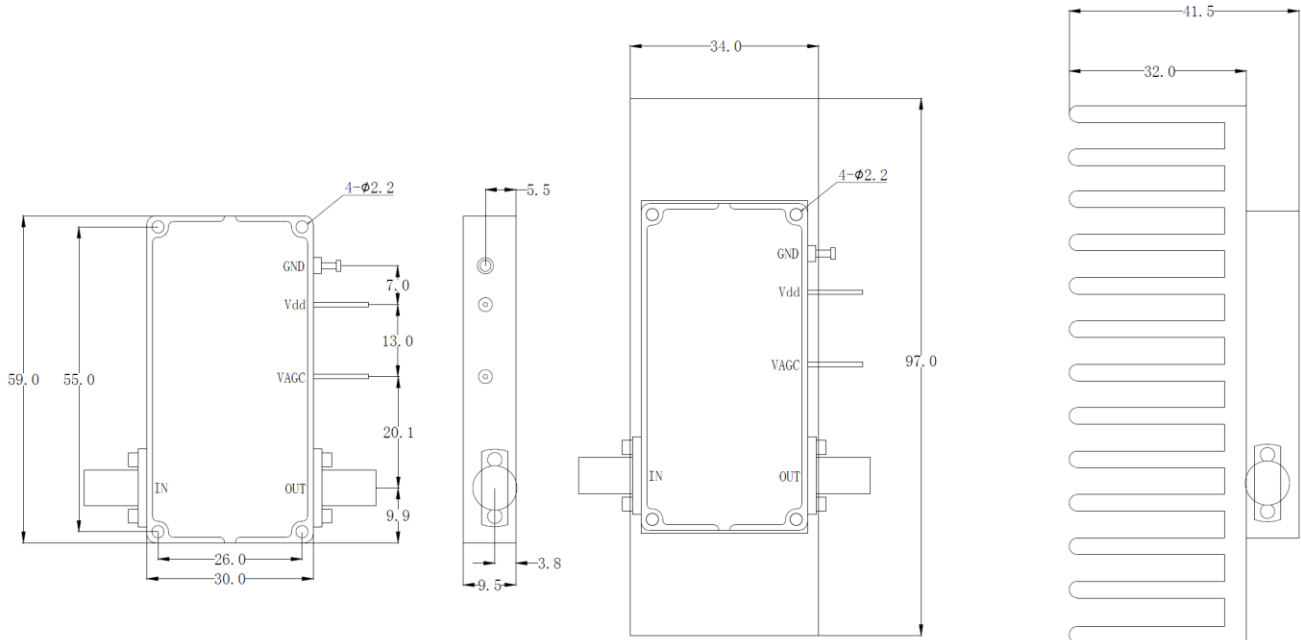




AT-BB-0022-2732A

100MHz-22GHz Broadband Amplifier

Dimension: (unit in mm)



Heat Sink Required During Operation

