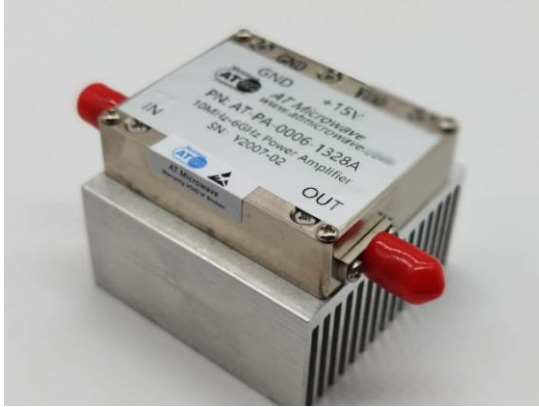


10MHz-26.5GHz Broadband Amplifier



Product Overview

AT-PA-0026-1525X is broadband amplifier from 10MHz-26.5GHz, with $P_{out}=+25dBm$, $NF=4dB$. It can be used both as Power amplifier and low noise amplifier. The DC power requirement is +12V/200mA. The module is with SMA 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

Advantages

- ✓ Frequency: 10MHz-26.5GHz
- ✓ $P_{sat}:+25dBm$
- ✓ Small signal gain: 15dB
- ✓ Single Power Supply

Application

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

Key Features

Parameter	Min	Typical	Max
Frequency		10MHz-26.5GHz	
Gain		15dB	
P_{1dB}		+24dBm	
P_{sat}		+25dBm	
Drain Supply		+12V	
Current		200 mA	
NF		4dB	6
Input VSWR		1.5	2.5
Output VSWR		1.5	2.5
Spec Temp		25C	





AT-BB-0026-1525X

10MHz-26.5GHz Broadband Amplifier

Mechanical Information

Item	Description
Input Port	SMA Female
Output Port	SMA Female
Case Material	Copper
Finish	Nickel Plated
Weight (Without Heatsink)	150g
Size:	50x40x12 mm

Absolute Maximum Ratings Table

Parameter	Value
Drain Supply	+13V
RF Input Power	+16 dBm
Operating Temperature	-20 to +70C
Storage Temperature	-65 to +150C

Caution:

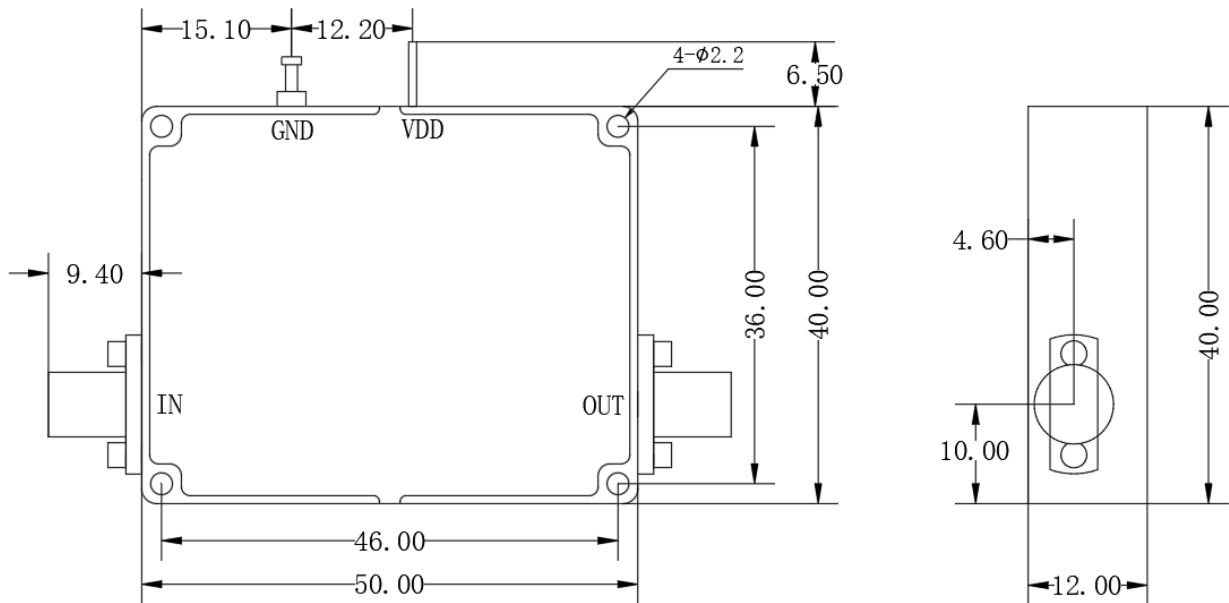
Please pay attention to the case temperature. If case temperature exceed higher than +50C, heat sink and fan are required, or the amplifier may be damaged.

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.



Dimension: (unit in mm)



In millimetres

The 9.4 size marked is used SMA female connector
if use 2.92mm female connector the size is 9.5

Heat Sink Required During Operation

