

### U Band Power Amplifier



#### Product Overview

AT-PA-4060-1518VC is high power amplifier with +18dBm output power in the frequency of 40-60GHz. The DC power requirement is +5V/300mA. The module is with 1.85mm Female

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

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

#### Advantages

- ✓ Frequency: 40-60GHz
- ✓ P1/Psat:+16/18dBm
- ✓ Small signal gain: 15dB
- ✓ Single Power Supply

#### Application

- ✓ U Band Communication
- ✓ Test Equipment
- ✓ ROF (RF Over Fiber)
- ✓ Radar System

### Key Features

Parameter	Min	Typical	Max
Frequency		40-60GHz	
Gain		15dB	
P1Db		+16dBm	
Psat		+18dBm	
Drain Supply		+5V	+7V
Current		300 mA	
Input VSWR		1.5	2.5
Output VSWR		1.5	2.5
Spec Temp		25C	





# AT-PA-4060-1518VC

## 40-60GHz Medium 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)	90g
Size:	30x30x9.5 mm

### Absolute Maximum Ratings Table

Parameter	Value
Drain Supply	+8V
RF Input Power	+10dBm
Operating Temperature	-20 to +70C
Storage Temperature	-65 to +150C

#### Caution:

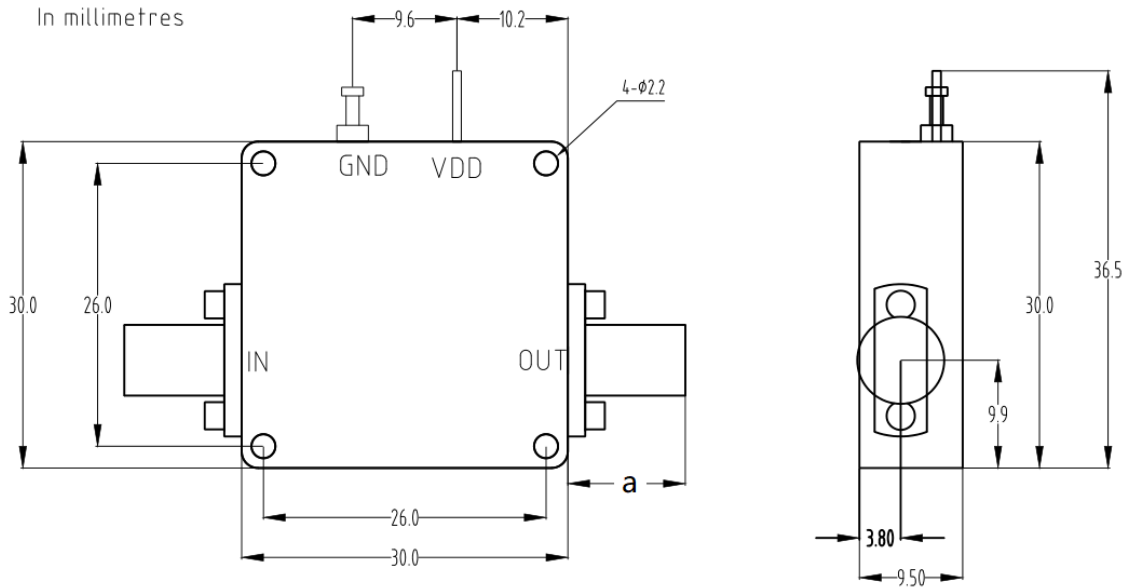
Please pay attention to the case temperature. If case temperature exceed higher than +50C, heat sink and fan are required, or the amplifier may be damaged.

#### 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)



	<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.

