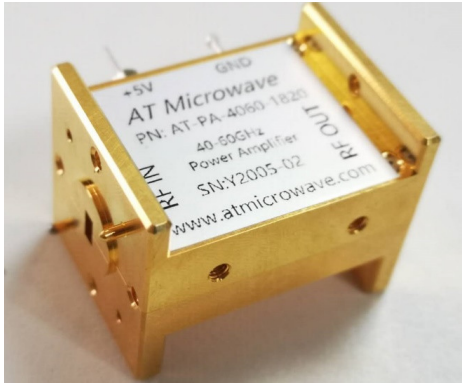


## U Band High Power Amplifier



### Product Overview

AT-PA-4060-1820 is high power amplifier with +20dBm output power in the frequency of 40-60GHz. The DC power requirement is +5V/400mA. The module is with a standard WR-19 waveguide.

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:+18/20dBm
- ✓ Small signal gain: 18dB
- ✓ Single Power Supply

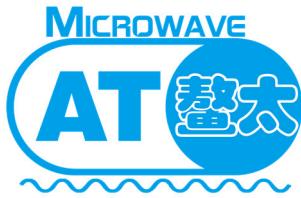
### Application

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

## Key Features

Parameter	Min	Typical	Max
Frequency		50-70GHz	
Gain	16	18dB	
P1Db		+18dBm	
Psat	19	+20dBm	
Drain Supply		+5V	+7V
Current		400 mA	500
Input Return Loss		-8dB	
Output Return Loss		-10dB	
RF In/Output Connector		WR-19	
Dimension		60x30x30 mm	
Material		Brass	





# AT-PA-4060-1820

40-60GHz Medium Power Amplifier

### Absolute Maximum Ratings Table

Parameter	Value
Drain Supply	+8V
RF Input Power	+10dBm
Operating Temperature	0 to +50C
Storage Temperature	-65 to +150C

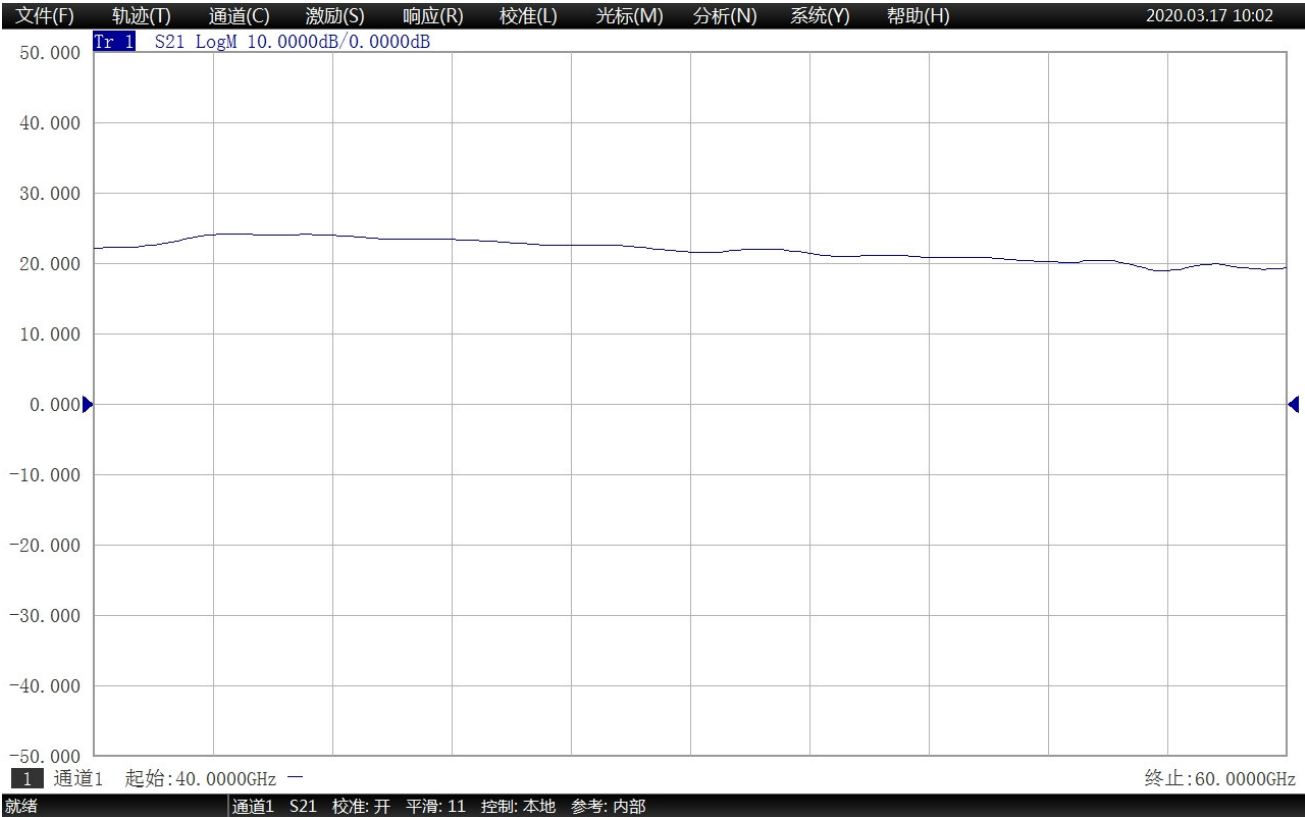
#### Caution:

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: (25C)



Gain vs Frequency



