

### 6-18GHz GaAs High Power Amplifier Bench-Top Test Equipment

2022-7-1



#### Product Overview

AT-HPA-0618-3535N is GaAs Based high gain power amplifier with +35dBm output power in the frequency of 6-18GHz. The module is with SMA 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](http://www.atmicrowave.com)

#### Advantages

- ✓ Frequency: 6-18GHz
- ✓ Psat:+35dBm
- ✓ Small signal gain: 33dB
- ✓ Single Power Supply

#### Application

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

#### Key Features

Parameter	Min	Typical	Max
Frequency		6-18GHz	
Gain	30	33dB	
Gain Flatness		+/-4dB	
P1dB	+31dBm	+33dBm	
Psat	+33dBm	+35dBm	
Power Supply	90V	+220V	240V
Power Consumption		80W	
Input Return Loss		-12dB	
Output Return Loss		-8dB	
Spec Temp		25C	





# AT-BTHPA-0618-3335N

6-18GHz High Power Amplifier

## Mechanical Information

Item	Description
Input Port	SMA Female
Output Port	SMA Female
Case Material	Aluminum
Finish	Painting
Weight	2.5KG
Size:	See outline

## Absolute Maximum Ratings Table

Parameter	Value
Drain Supply	+260V
RF Input Power	+15 dBm
Operating Temperature	-20 to +70C
Storage Temperature	-65 to +150C

## 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.





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**Dimension:** (unit in mm)

