

## Full E band MPA, Psat=+27dBm



### Product Overview

AT-PA-6090-2531N is a medium power amplifier operating in the 60-90GHz frequency range. The HPA is packaged in a waveguide module using industry standard WR12.

GaN Based MMIC technology Chips are used, which ensures reliable and repeatable unit-to-unit result. Higher gain amplifier can be achieved.

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

### Advantages

- ✓ Frequency: 60-90GHz
- ✓ Gain: 25dB
- ✓ Pout: +31dBm
- ✓ Single Supply

### Application

- ✓ E band Communication
- ✓ FOD (Foreigner Objects Debris)
- ✓ Test Equipment
- ✓ ROF (RF Over Fiber)
- ✓ Radar System

### Key Features

Parameter	Min	Typical	Max
Frequency		60-90GHz	
Gain	23dB	25dB	
Output P1dB		+26dBm	
Psat		+31dBm	
Drain Supply		+16V	+17V
Current NO RF		1.5A	
Input Return Loss		-5dB	
Output Return Loss		-5dB	
Spec Temp		25C	





# AT-PA-6090-2531N

## 60-90GHz High Power Amplifier

### Mechanical Information

Item	Description
Input Port	WR-12
Output Port	WR-12
Case Material	Copper
Finish	Gold Plated
Weight (Without Heatsink)	270g
Size:	57.5x40.5x22.4 mm

### Absolute Maximum Ratings Table

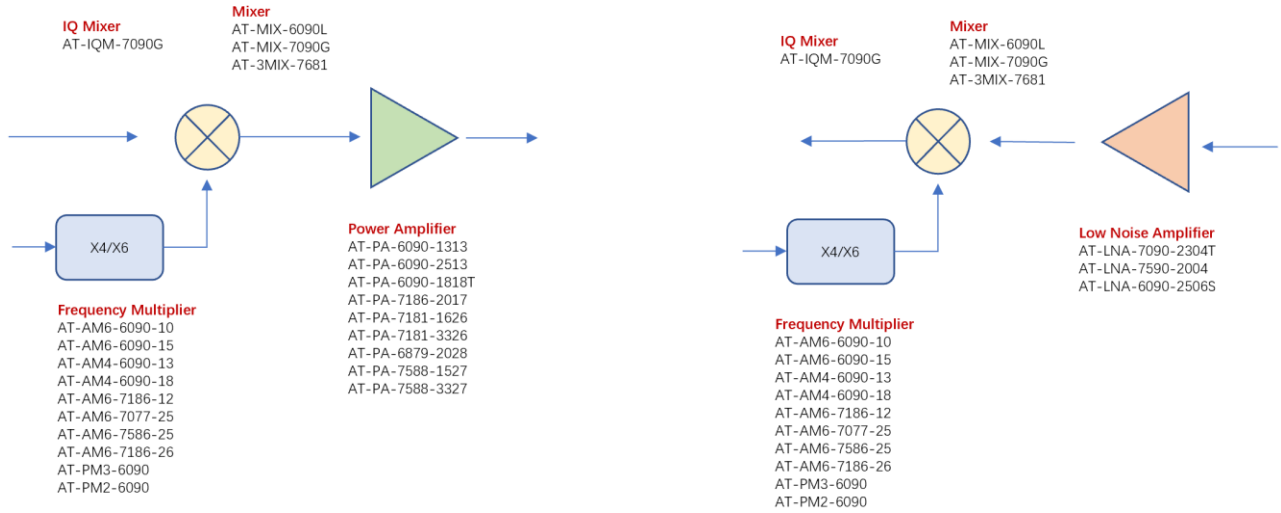
Parameter	Value
Drain Supply	+18V
RF Input Power	+15dBm
Operating Temperature	0 to +50C
Storage Temperature	-65 to +150C

### 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.



### E Band 60-90GHz



### Dimension: (mm)

