

Full E band High Power PA, Psat=+27dBm

2020-12-08



Product Overview

AT-PA-6090-2727N 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

Advantages

- ✓ Frequency: 60-90GHz
- ✓ Gain: 27dB
- ✓ Pout: +27dBm
- ✓ 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	25	27dB	
Output P1dB		+23dBm	
Psat		+27dBm	
Drain Supply		+16V	+17V
Current NO RF		0.8A	
Input Return Loss		-5dB	
Output Return Loss		-5dB	
Spec Temp		25C	





AT-PA-6090-2727N

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

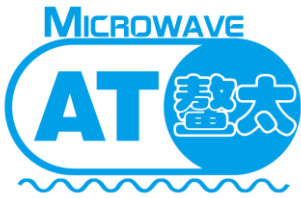
Absolute Maximum Ratings Table

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.

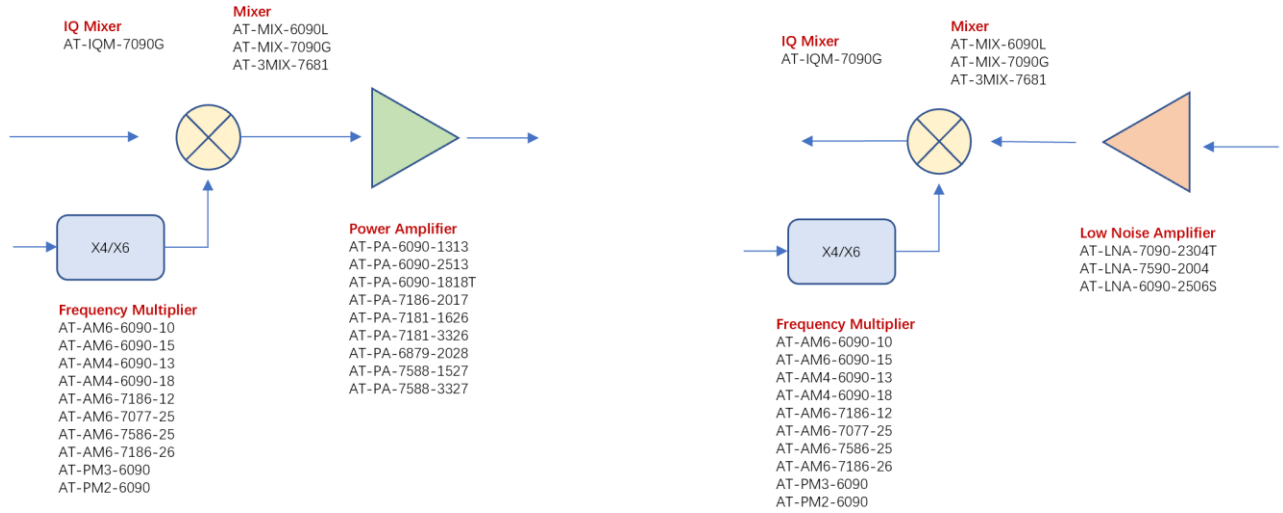




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60-90GHz High Power Amplifier

E Band 60-90GHz



Dimension: (mm)

