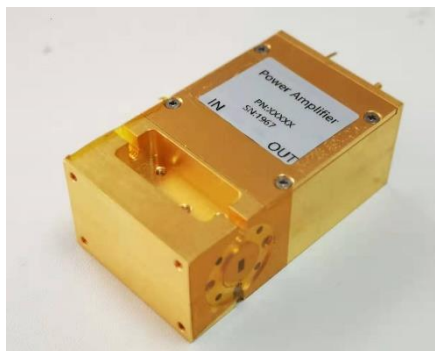


AT-PA-6090-1620N

60-90GHz Medium Power Amplifier

Full E band MPA, Psat=+20dBm



Product Overview

AT-PA-6090-1620N is a medium power amplifier operating in the 60-90GHz frequency range. The MPA is packaged in a waveguide module using industry standard WR12. The light weight gold plated aluminum module measures 57x33x22 mm.

MMIC technology Chip is used, which ensures reliable and repeatable unit-to-unit result. Higher gain amplifier can be available according to request.

More information, please visit www.atmicrowave.com

Advantages

- ✓ Frequency: 60-90GHz
- ✓ Small Signal Gain: 16dB
- ✓ Pout: +20dBm
- ✓ 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	
Small Signal Gain		16dB	
Output P1dB		+18dBm	
Psat		+20dBm	
Gain at Psat		7dB	
Drain Supply		+9V/400mA	+10V
Input Return Loss		-7dB	
Output Return Loss		-7dB	
Spec Temp		25C	

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AT-PA-6090-1620N

60-90GHz Medium Power Amplifier

Mechanical Information

Item	Description
Input Port	WR-12
Output Port	WR-12
Case Material	Copper
Finish	Gold Plated
Weight (Without Heatsink)	221g
Size:	57.5x33x22.4mm

Absolute Maximum Ratings Table

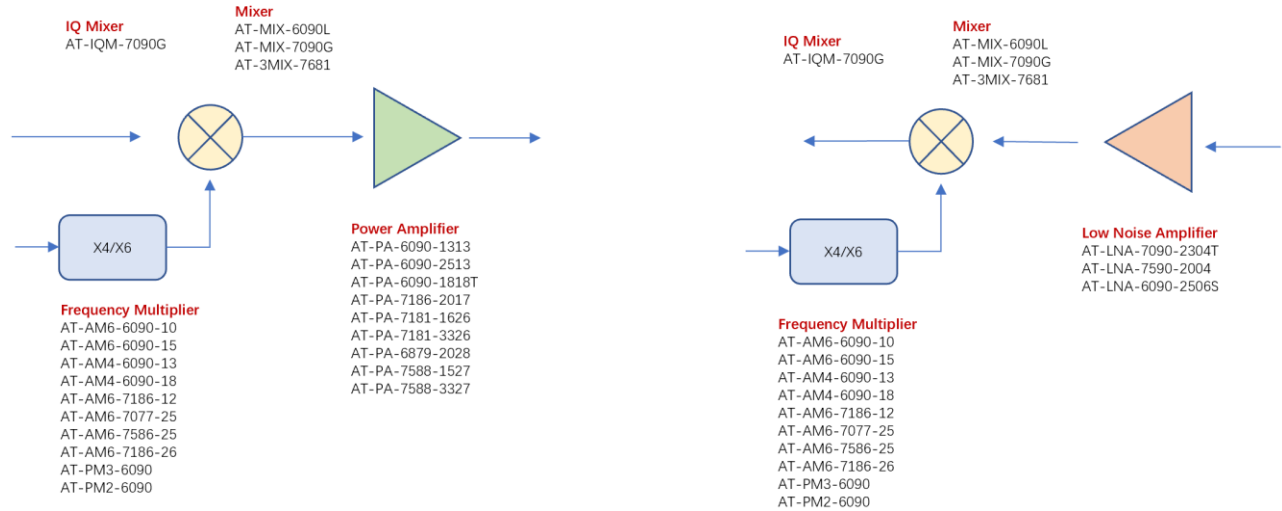
Parameter	Value
Drain Supply	+12V
RF Input Power	+18dBm
Operating Temperature	0 to +50C
Storage Temperature	-65 to +150C

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)

