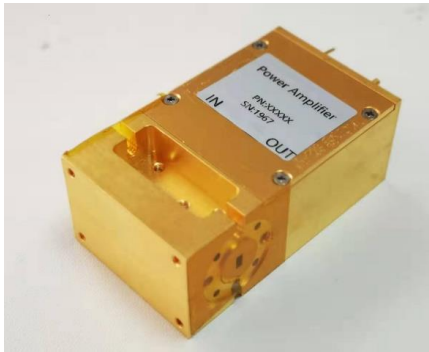


Full E band MPA, Psat=+13dBm



Product Overview

AT-MPA-6090-1313 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 LNA Chip is 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: 13dB
- ✓ Pout: +13dBm
- ✓ 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	11	13dB	
Noise Figure		6dB	
Output P1dB		+11dBm	
Psat		+13dBm	
Drain Supply		+6V/170mA	+7V
Input Return Loss		-10dB	
Output Return Loss		-10dB	
RF Input/output Connector		WR-12	
Dimension(LxWxH)		57x33x22 mm	



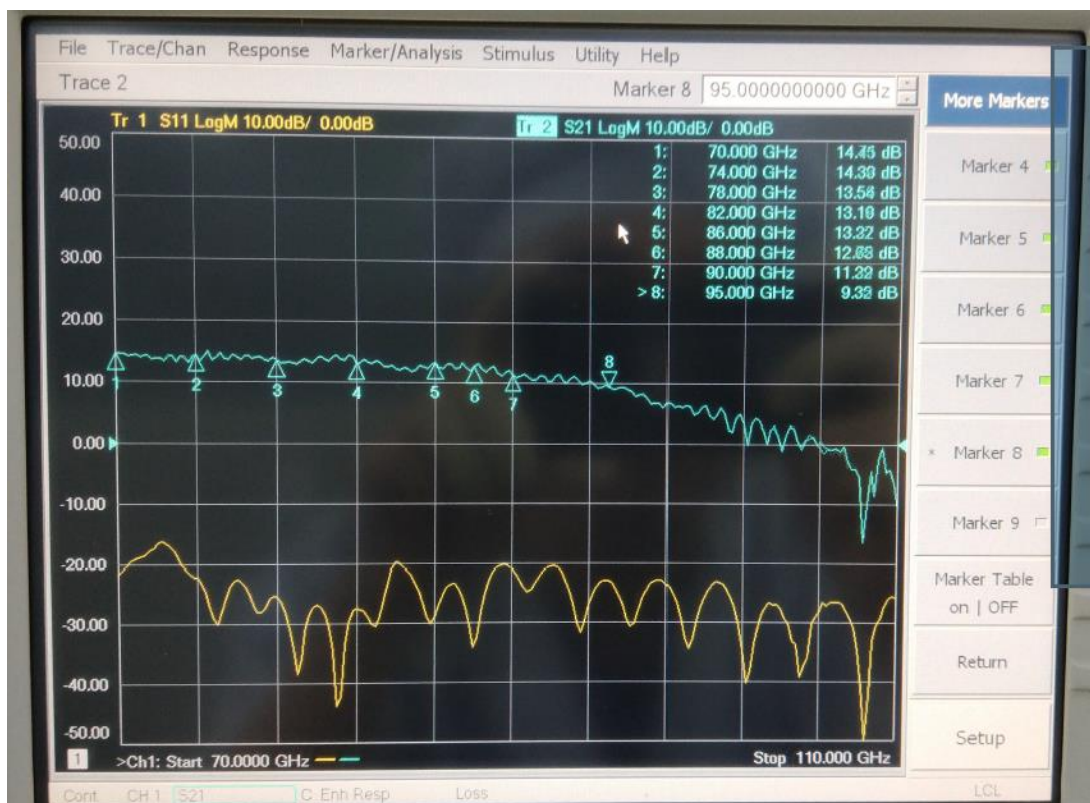
Absolute Maximum Ratings Table

Parameter	Value
Drain Supply	+7V
RF Input Power	+15dBm
Operating Temperature	0 to +50C
Storage Temperature	-65 to +150C

Notes:

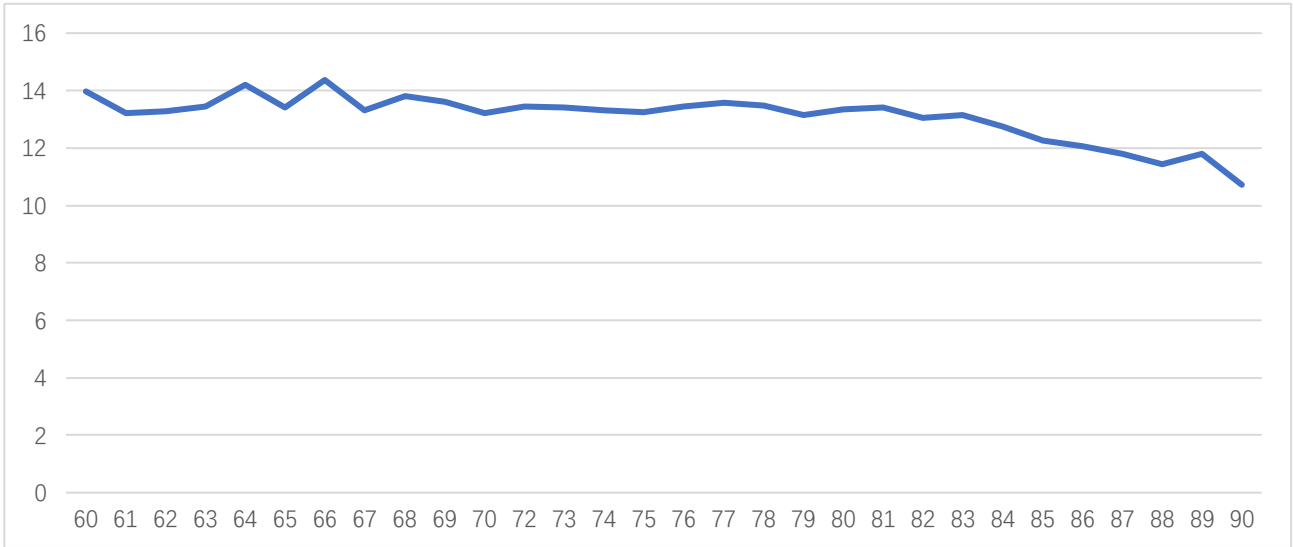
1. Datasheet may be changed according to update of MMIC, Raw materials , process, and so on.
2. This data is only for reference, not for guaranteed specifications.
3. Please contact AT Microwave team to make sure you have the most current data.

Test Data (25C)



Gain Vs Frequency





Psat Vs Frequency

Dimension: (mm)

