



# AT-AM8-100115-10-08

Active Multiplier x8, 100-115GHz Pout=+10dBm

## X8 F Band Active Multiplier 100-115GHz, Pout=+10dBm, WR-08

2022-8-1



### Product Overview

AT-AM8-100115-10-08 is a F band, active x8 frequency multiplier. The multiplier has an input frequency of 12.5 to 14.375GHz with a typical output +8dBm from 100-115GHz.

The integrated input and output buffers deliver high output power at a low drive level. The multiplier also has a typical harmonic suppression of -20dBc. The input port is SMA female, and the output is a WR-08 waveguide with a standard UG/387-M flange.

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

### Advantages

- ✓ Frequency: 100-115GHz
- ✓ Pout: +10dBm typical
- ✓ Input: 12.5-14.375GHz, 0dBm
- ✓ Single Supply: +5V, LDO inside

### Application

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

### Key Features

Parameter	Min	Typical	Max
Input Frequency		12.5-14.375GHz	
Input Power	-3dBm	0dBm	+5
Output Frequency		100-115GHz	
Output Power	+7dBm	+10dBm	
Harmonica Suppression		-20dBc	
Drain Voltage		+5V	+8V
Current		120mA	
Spec Temp		25C	

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## Mechanical Information

Item	Description
Input Port	SMA Female
Output Port	WR-08
Case Material	Copper
Finish	Gold Plated
Weight	190g
Size:	See outline

## Absolute Maximum Ratings Table

Parameter	Value
Drain Supply	+9V
RF Input Power	+10dBm
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.

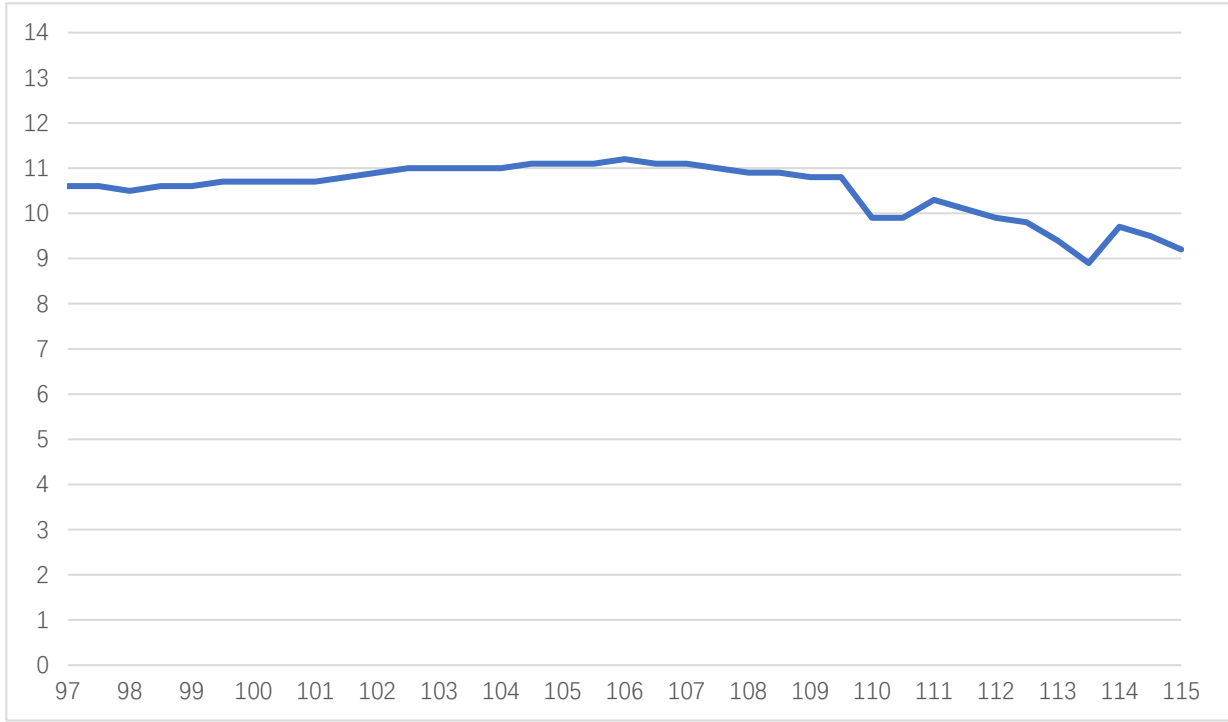




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## Test Data



Pout vs. Frequency



## Dimension:

