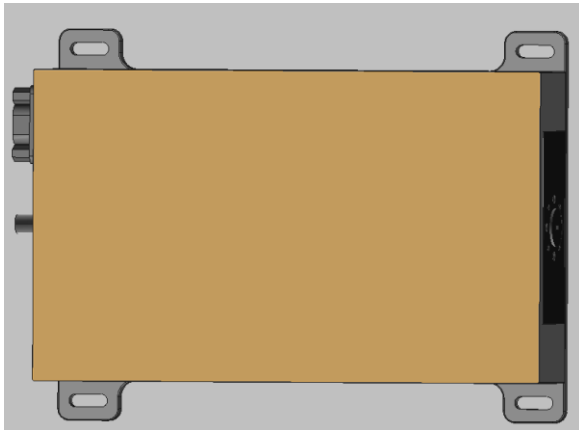


## High Power X8 W Band Active Multiplier 90-98GHz, Pout=+30dBm ,WR-10

2022-5-1



### Product Overview

AT-AM8-9098-30GN is a W band, active x8 frequency multiplier. The multiplier has an input frequency of 11.25 to 12.25GHz with a typical output +30dBm from 90-98GHz.

The integrated input and output buffers deliver high output power at a low drive level. The multiplier also has a typical harmonic suppression of -60dBc. The input port is SMA female, and the output is a WR-10 waveguide. Other port configurations are available under different requirement.

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

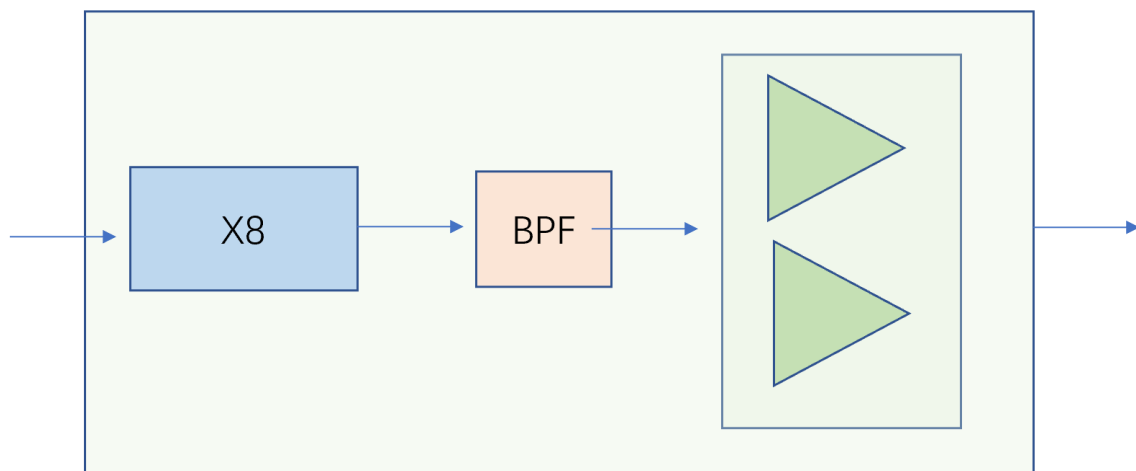
### Advantages

- ✓ Frequency: 90-98GHz
- ✓ Pout: +30dBm typical
- ✓ Input: 11.25-12.25GHz, +13dBm
- ✓ Single Supply

### Application

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

### Block Diagram





# AT-AM8-9098-30GN

Active Multiplier x8, 90-98GHz Pout=+30dBm

## Key Features

Parameter	Min	Typical	Max
Input Frequency		11.25-12.25GHz	
Input Power	+3dBm	+5dBm	+8dBm
Multiplier Factor		X8	
Output Frequency		90-98GHz	
Output Power	+29dBm	+30dBm	
Harmonica Suppression		-60dBc	
Drain Voltage		+24V	+28V
Current		1.5A	2.0A
Spec Temp		25C	

## Mechanical Information

Item	Description
Input Port	SMA Female
Output Port	WR-10
Case Material	Aluminum
Finish	Anodized
Weight (Without Heatsink)	450g
Size:	See outline





# AT-AM8-9098-30GN

Active Multiplier x8, 90-98GHz Pout=+30dBm

## Absolute Maximum Ratings Table

Parameter	Value
Drain Supply	+36V
RF Input Power	+15dBm
Operating Temperature	0 to 50 C
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.

