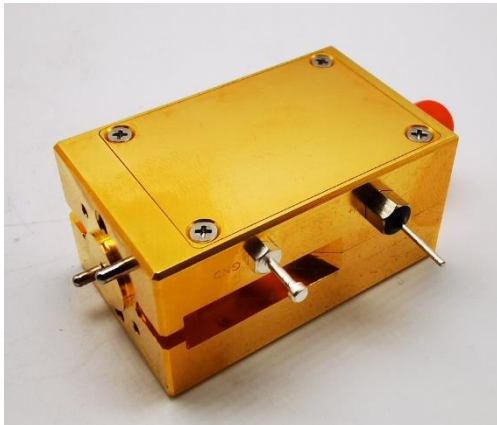


# AT-AM3-75110-10N

Active Multiplier x3, 75-110GHz Pout=+10dBm

## Full W Band X3 Active Multiplier 75-110GHz, Pout=+10dBm

2022-5-1



### Description:

AT-AM3-75110-10N is a full W band, active x3 frequency multiplier. The multiplier has an input frequency of 25-36.66 GHz with a typical output +5dBm from 75-110GHz.

The integrated input and output buffers deliver high output power at a low drive level. The multiplier also has a typical harmonic suppression. The input port is 2.92mm female, and the output is WR-10.

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

### Feature

- ✓ Frequency: 75-110GHz
- ✓ Pout: +10dBm typical
- ✓ Input: 25-36.66GHz,
- ✓ Input Power:+10dBm

### Application

- ✓ W band Communication
- ✓ Test Equipment
- ✓ ROF (RF Over Fiber)
- ✓ Radar System

### Electrical Specifications:

Parameter	Min	Typical	Max
Input Frequency		25-36.66GHz	
Input Power	+10	+12dBm	+15
Multiplier Factor		X6	
Output Frequency		75-110GHz	
Output Power	+8dBm	+10dBm	
X2/X4Harmonic Suppression		-30dBc	
Drain Voltage		+5V	
Idd Current		80mA	
Spec Temp		25C	





# AT-AM3-75110-10N

Active Multiplier x3, 75-110GHz Pout=+10dBm

## Mechanical Information

Item	Description
Input Port	2.92mm Female
Output Port	WR-10
Case Material	Copper
Finish	Gold Plated
Weight	130g
Size:	See outline

## Absolute Maximum Ratings Table

Parameter	Value
Drain Supply	+8V
RF Input Power	+16dBm
Operating Temperature	0 to +50C
Storage Temperature	-65 to +150C

### Notes:

- ✓ Datasheet may be changed according to update of MMIC, Raw materials , process, and so on.
- ✓ This data is only for reference, not for guaranteed specifications.
- ✓ Please contact AT Microwave team to make sure you have the most current data.
- ✓ Always pay attention to the temperature of the case, heatsink and fan are required if case temperature exceeds over 50C.



## Dimension ( unit in mm)

