

# Full W Band Passive Multiplier



### Description:

AT-PM2-70120C is a full W band, passive frequency multiplier. The multiplier has an input frequency of 33.5-60 GHz with a typical output -2dBm from 70-120GHz when Pin=+18dBm.

The multiplier also has a typical harmonic suppression. The input port is 1.85mm, and the output is WR-10. Other port configurations are available under different requirement. Both AT-AM4-3567-18XC and AT-AM4-3567-18XC2 can be used as LO driver for this passive multiplier.

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

### Feature

- ✓ Frequency: 70-120GHz
- ✓ Pout: -2dBm typical
- ✓ Input: 35-60GHz
- ✓ Low Harmonics

### Application

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

### Electronical Specifications:

Parameter	Min	Typical	Max
Input Frequency		35-60GHz	
Input Power	+15	+18dBm	+20dBm
Multiplier Factor		X2	
Output Frequency		70-120GHz	
Conversion Loss		-20dB	
Pout at Pin= +18dBm		-2dBm	
Harmonic Suppression		-25dBc	
Drain Voltage		NO	
Spec Temp		25C	





# AT-PM2-70120C

Passive Multiplier x2, 70-120GHz

## Mechanical Information

Item	Description
Input Port	1.85mm Female
Output Port	WR-10
Case Material	Copper
Finish	Gold Plated
Weight (Without Heatsink)	65g
Size:	25x25x20 mm

## Absolute Maximum Ratings Table

Parameter	Value
RF Input Power	+23dBm
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

