

### D Band Passive Multiplier

#### Description:

AT-PM3-110150T is a D Band, passive frequency multiplier. The multiplier has an input frequency of 36.7-50 GHz with a typical output -3dBm from 110-150GHz.

The multiplier also has a typical harmonic suppression. The input port is 2.4mm female, and the output is WR-06. Other port configurations are available under different requirement.

AT-AM4-1852-17X can be used as a driver for this passive module. More information, please visit [www.atmicrowave.com](http://www.atmicrowave.com)



#### Feature

- ✓ Frequency: 110-150GHz
- ✓ Pout: -3dBm typical
- ✓ Input: 36.7-50GHz
- ✓ Low Harmonics

#### Application

- ✓ D Band Communication
- ✓ Test Equipment
- ✓ ROF (RF Over Fiber)
- ✓ Radar System

#### Electronical Specifications:

Parameter	Min	Typical	Max
Input Frequency	36.7GHz		50GHz
Input Power	+15	+17dBm	+18dBm
Multiplier Factor		X3	
Output Frequency	110GHz		150GHz
Conversion Loss		-20dB	
Pout at Pin=+17dBm		-3dBm	
Harmonic Suppression		-15dBc	
Drain Voltage		NO	
Spec Temp		25C	





# AT-PM3-110150T

Passive Multiplier x3, 110-150GHz

## Mechanical Information

Item	Description
Input Port	2.4mm Female
Output Port	WR-06
Case Material	Copper
Finish	Gold Plated
Weight (Without Heatsink)	65g
Size:	36.7x36.7x20 mm

## Absolute Maximum Ratings Table

Parameter	Value
RF Input Power	+20dBm
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(mm)

