

# AT-BTAM16-200225-10

Bench-Top H Band X16 Frequency Extender

## 200-225GHz Active Multiplier X16, Pout=+10dBm, WR-04

2022-8-25



### Product Overview

AT-BTAM16-200225-10 is H band, active x16 frequency multiplier. The multiplier has an input frequency of 12.5-14.375GHz with a typical output +10dBm from 200-225GHz. It also can be used up to 230GHz with some degrade of performance.

The input port is SMA female, and the output is a WR-04 waveguide with a standard UG/387-M flange.

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

### Advantages

- ✓ Frequency: 200-225GHz
- ✓ Pout: +10dBm typical
- ✓ Input: 12.5-14.375GHz, +10dBm
- ✓ Bench-Top Labs Test

### Application

- ✓ Test Equipment
- ✓ ROF (RF Over Fiber)
- ✓ Radar System
- ✓ RCS Test

### Key Features

Parameter	Min	Typical	Max
Input Frequency		12.5-14.06	14.375GHz
Input Power	+0dBm	+3dBm	+8
Multiplier Factor		X16	
Output Frequency		200-225GHz	230GHz
Output Power	+7dBm +5dBm	200-225GHz: +10dBm 225-230GH: +8dBm	
X15/X17 Harmonics		TBD	
Power Supply	90V	110-220V	240V
Power Consumption		10W	
Temp Spec		25C	





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## Mechanical Information:

Parameter	Value
IF Input Port	SMA Female
RF Output Port	WR-04
Power Supply	90V TO 240V AC to DC Power Converter included
DC Bias Switch	ON-OFF switch with light indicator
Weight	2.5KG
Dimension	See outline

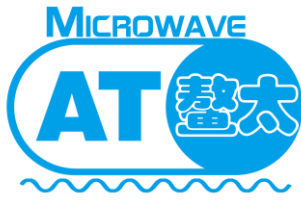
## Absolute Maximum Ratings Table

Parameter	Value
Drain Supply	+90 to 260V
IF Input Power	+15dBm
Operating Temperature	0 to +50C
Storage Temperature	-55 to +120C

## 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.

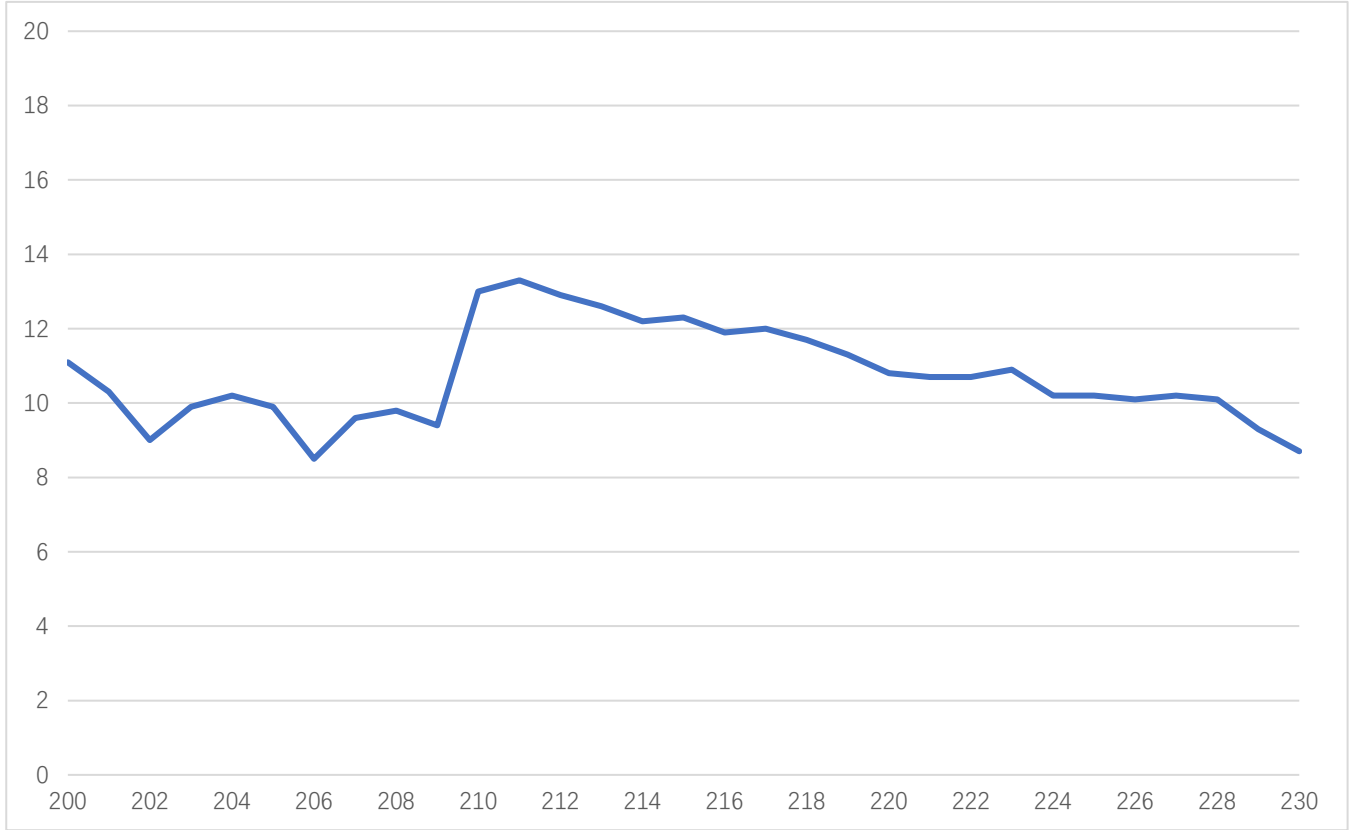




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## Test Data



Pout vs Frequency, Pin=+5dBm





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## Dimension: (mm)

