

### W Band (75-110GHz) Active Multiplier



#### Product Overview

AT-BTAM6-75100-08 is full W band, active x6 frequency multiplier. The multiplier has an input frequency of 12.5-18.33 GHz with a typical output +8dBm from 75-110GHz. W Band isolator is an optional choice to improve power protection and power stability

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 SMA female, and the output is a WR-10 waveguide with a standard UG-387 flange.

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

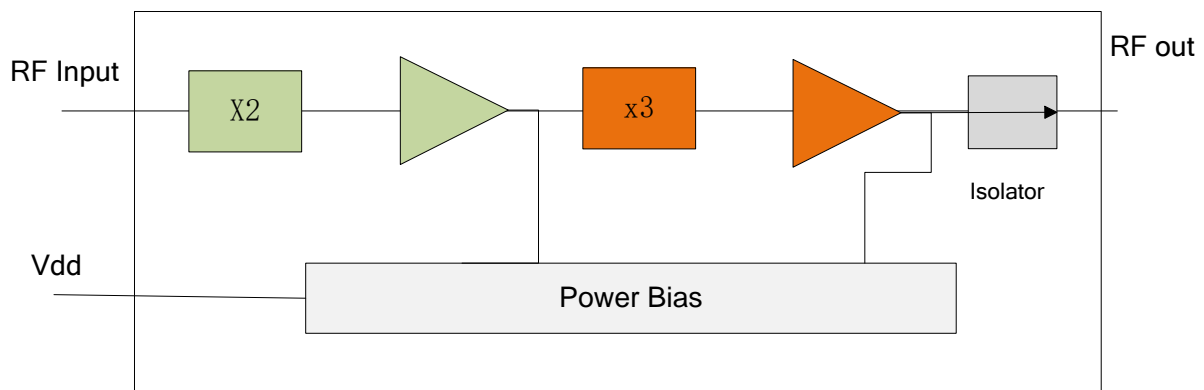
#### Advantages

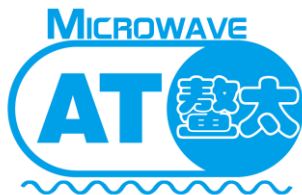
- ✓ Frequency: 75-110GHz
- ✓ Pout: +8dBm typical
- ✓ Input: 12.5-18.3GHz, +5dBm
- ✓ Bench-Top LabsTest

#### Application

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

#### Diagram Block:





# AT-BTAM6-75110-08

Bench-Top W Band X6 Frequency Extender

## Key Features

Parameter	Min	Typical	Max
Input Frequency	12.5GHz		18.33GHz
Input Power	0	+5dBm	+8
Multiplier Factor		6	
Output Frequency	75GHz		110GHz
Output Power		+8 dBm	
Input Return Loss		-15dB	
Output Return Loss		-10dB	
Drain Voltage		+12V/1000mA	
Input Port		SMA Female	
Output Port		WR-10	

## Mechanical Information:

Parameter	Value
DC Bias	2.5mm DC Jack with +12V Supply AC to DC Power Converter included
DC Bias Switch	ON-OFF switch with light indicator
Operating Temperature	0 to 50C
Dimension	204x147x74.5m

## 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.

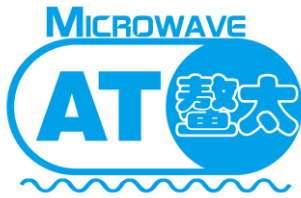
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# AT-BTAM6-75110-08

Bench-Top W Band X6 Frequency Extender

Dimension: (mm)

