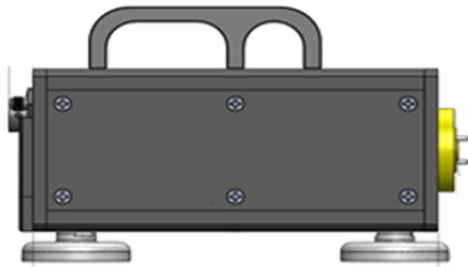


## X4 Full U Band Active Multiplier, Bench-Top

### Product Overview



AT-BTAM4-4060-20 is a U band, active x4 frequency multiplier. The multiplier has an input frequency of 10 to 15 GHz with a typical output +20dBm from 40-60GHz.

The integrated input and output buffers deliver high output power at a low drive level. The multiplier also has a typical harmonic suppression of -20dBc. The input port is SMA female, and the output is a WR-19 waveguide with a standard UG-387 flange. Other port configurations are available under different requirement.

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

### Advantages

- ✓ Frequency: 40-60GHz
- ✓ Pout: +20dBm typical
- ✓ Input: 10-15GHz, +5dBm
- ✓ Bench-Top Labs Test

### Application

- ✓ U band Communication
- ✓ FOD (Foreigner Objects Debris)
- ✓ Test Equipment
- ✓ ROF (RF Over Fiber)
- ✓ Radar System

### Key Features

Parameter	Min	Typical	Max
Input Frequency	10GHz		15GHz
Input Power		+5dBm	+10dBm
Multiplier Factor		X4	
Output Frequency	40GHz		60GHz
Output Power		+20dBm	
Harmonica Suppression		-20dBc	
DC Voltage		+12V/500mA	
Input Port		SMA Female	
Output Port		WR-19	
Dimension		160x130x75 mm	
Spec Temp		25C	





# AT-BTAM4-4060-20

## Bench-Top Active Multiplier x4

### Mechanical Information:

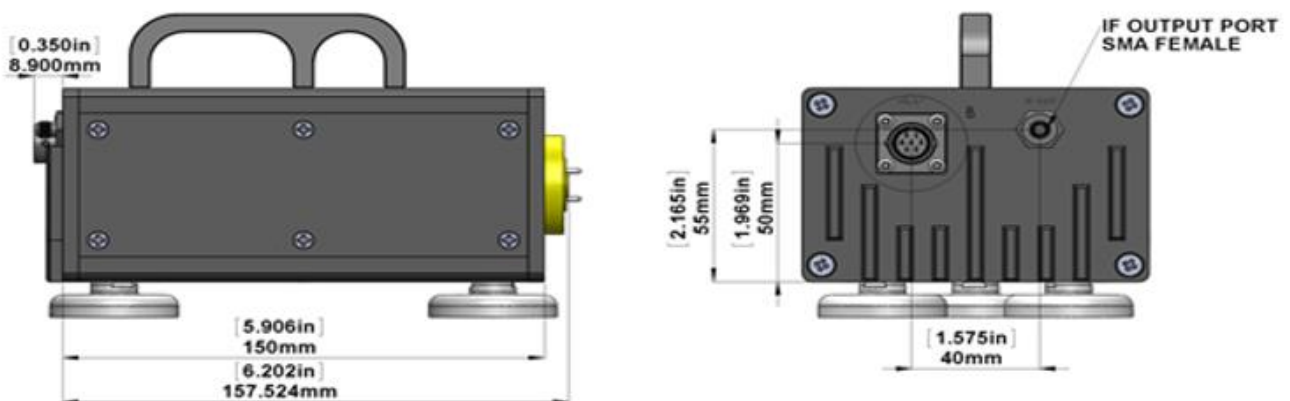
Parameter	Value
RF Input	SMA Female
RF Output	WR-19 Waveguide with Flange
DC Bias	+12V Supply, AC to DC Power Converter included
DC Bias Switch	ON-OFF switch with light indicator
Storage Temperature	-65 to +150C

### Absolute Maximum Ratings Table

Parameter	Value
AC Supply	+240V
RF Input Power	+10dBm
Operating Temperature	0 to 50 C
Storage Temperature	-65 to +150C

### Dimension:

The dimension maybe changed without notice.



### 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.

