

## X6 Full E Band Active Multiplier, Pout=+13dBm Bench-Top, WR-12



### Product Overview

AT-BTAM6-6090-13 is a E band, active x6 frequency multiplier. The multiplier has an input frequency of 10 to 15 GHz with a typical output +13dBm from 60-90GHz.

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-12 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: 60-90GHz
- ✓ Pout: +13dBm typical
- ✓ Input: 10-15GHz, +10dBm
- ✓ Bench-Top Labs Test

### Application

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

### Key Features

Parameter	Min	Typical	Max
Input Frequency	10GHz		15GHz
Input Power	+8	+10dBm	+13dBm
Multiplier Factor		X6	
Output Frequency	60GHz		90GHz
Output Power		+15dBm	
Harmonica Suppression		-20dBc	
Power Supply	90V	220V	240V
Power Consumption		20W	
Spec Temp		25C	





# AT-BTAM6-6090-13

Bench-Top Active Multiplier x6

## Mechanical Information:

Parameter	Value
RF Input	SMA Female
RF Output	WR-12 Waveguide with Flange
DC Bias	+12V Supply, AC to DC Power Converter included
DC Bias Switch	ON-OFF switch with light indicator
Dimension	204x147x74.5mm

## Absolute Maximum Ratings Table

Parameter	Value
AC Supply	+260V
RF Input Power	+20dBm
Operating Temperature	0 to 50 C
Storage Temperature	-65 to +150C



## Dimension: (mm)

