

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

### Product Overview



AT-BTAM4-6090-15 is a E band, active x4 frequency multiplier. The multiplier has an input frequency of 15 to 22.5 GHz with a typical output +15dBm 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: +15dBm typical
- ✓ Input: 15-22.5GHz, +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	15GHz		22.5GHz
Input Power	+8	+10dBm	+13dBm
Multiplier Factor		X4	
Output Frequency	60GHz		90GHz
Output Power	+13dBm	+15dBm	
Harmonica Suppression		-20dBc	
Power Supply	90V	220V	240V
Power Consumption		20W	
Spec Temp		25C	





# AT-BTAM4-6090-15

Bench-Top Active Multiplier x4

## 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	207x147x74.5mm

## 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)

