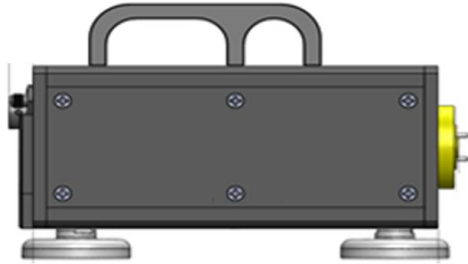


## X8 W Band Active Multiplier, Bench-Top

### Product Overview



AT-BTAM8-9098-20 is a W band, active x8 frequency multiplier. The multiplier has an input frequency of 11.25-12.5GHz with a typical output +20dBm from 90-98GHz.

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-10 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: 86-106GHz
- ✓ Pout: +10dBm typical
- ✓ Input: 10.7-13.3GHz, +5dBm
- ✓ Bench-Top Labs Test

### Application

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

### Key Features

Parameter	Min	Typical	Max
Input Frequency	11.25GHz		12.5GHz
Input Power		+5dBm	+10dBm
Multiplier Factor		X8	
Output Frequency	90GHz		98GHz
Output Power		+20dBm	
Harmonica Suppression		-20dBc	
DC Voltage		+12V/1200mA	
Input Port		SMA Female	
Output Port		WR-10	
Dimension		160x130x75 mm	
Spec Temp		25C	



## Mechanical Information:

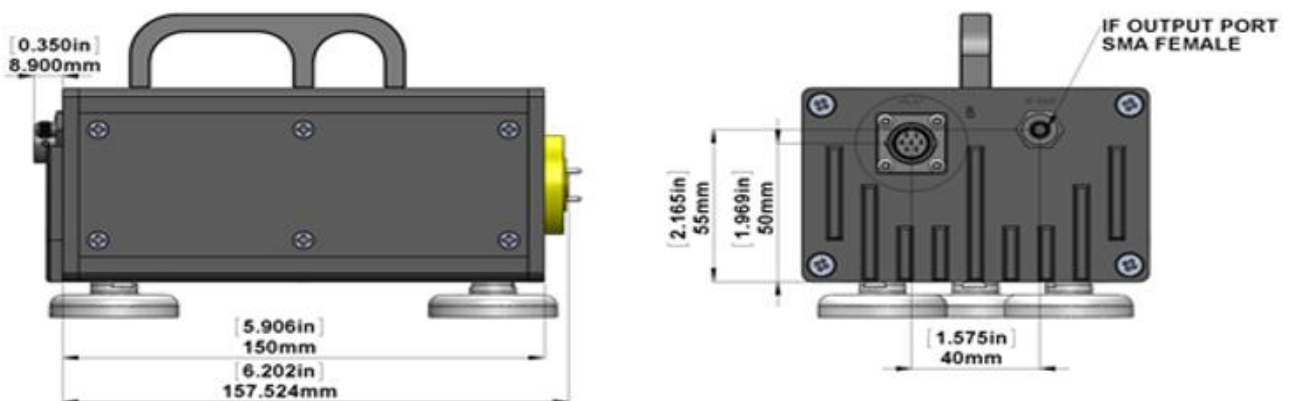
Parameter	Value
RF Input	SMA Female
RF Output	WR-10 Waveguide with Flange
DC Bias	+12V Supply, AC to DC Power Converter included
DC Bias Switch	ON-OFF switch with light indicator
Storage Temperature	-65 to +150C

## 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.

