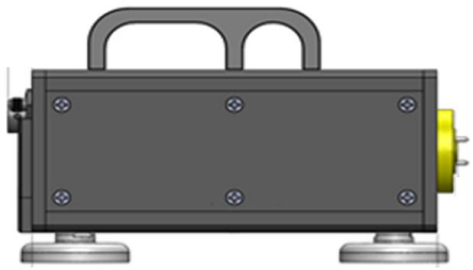
# AT-BTAM8-86106-10

Bench-Top Active Multiplier x8

# X8 W Band Active Multiplier, Bench-Top



## Product Overview

AT-BTAM8-86106-10 is a W band, active x8 frequency multiplier. The multiplier has an input frequency of 10.7-13.3GHz with a typical output +10dBm from 86-106GHz.

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

## 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 | 10.7GHz | | 13.3GHz |
| Input Power | | +5dBm | +10dBm |
| Multiplier Factor | | X8 | |
| Output Frequency | 86GHz | | 106GHz |
| Output Power | | +10dBm | |
| Harmonica Suppression | | -20dBc | |
| DC Voltage | | +12V/200mA | |
| Input Port | | SMA Female | |
| Output Port | | WR-10 | |
| Dimension | | 160x130x75 mm | |
| Spec Temp | | 25C | |

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## Mechanical Information:

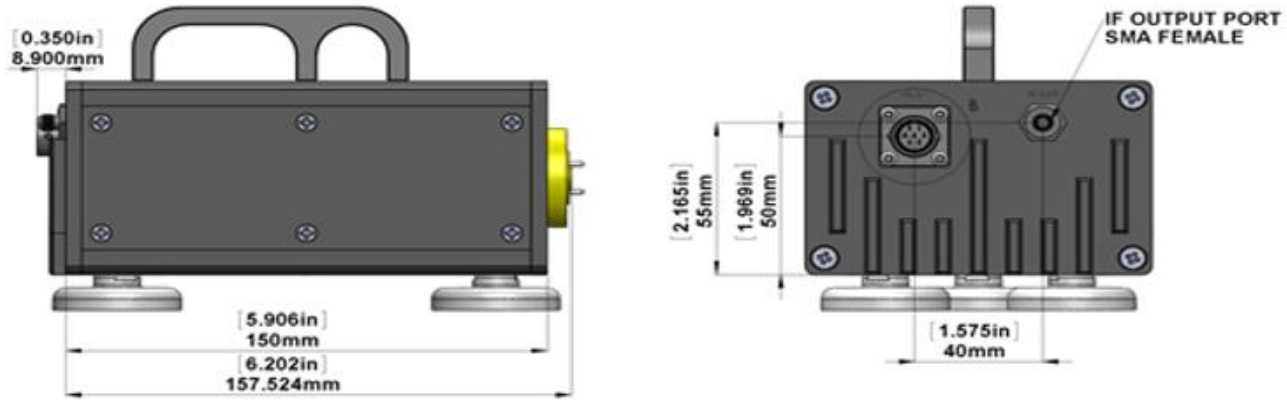
| Parameter | Value |
|---|---|
| RF Input | SMA Female |
| RF Output | WR-10 Waveguide with Flange |
| DC Bias | +12V Supply，AC to DC Power Converter included |
| DC Bias Switch | ON-OFF switch with light indicator |
| Storage Temperature | -65 to +150C |

## 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.

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