

X6 E Band Active Multiplier, Bench-Top

Product Overview



AT-BTAM6-7186-12 is a E band, active x6 frequency multiplier. The multiplier has an input frequency of 11.8 to 14.4 GHz with a typical output +12dBm from 71-86GHz.

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

Advantages

- ✓ Frequency: 71-86GHz
- ✓ Pout: +12dBm typical
- ✓ Input: 11.8-14.4GHz, +5dBm
- ✓ Bench-Top Labs Test

Application

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

Key Features

Parameter	Min	Typical	Max
Input Frequency	11.8GHz		14.4GHz
Input Power		+5dBm	+10dBm
Output Frequency	71GHz		86GHz
Output Power	+10dBm	+12dBm	
Harmonica Suppression		-20dBc	
DC Voltage		+12V/250mA	
Input Port		SMA Female	
Output Port		WR-12	
Dimension		160x130x75 mm	
Spec Temp		25C	





AT-BTAM6-7186-12

Bench-Top Active Multiplier x6

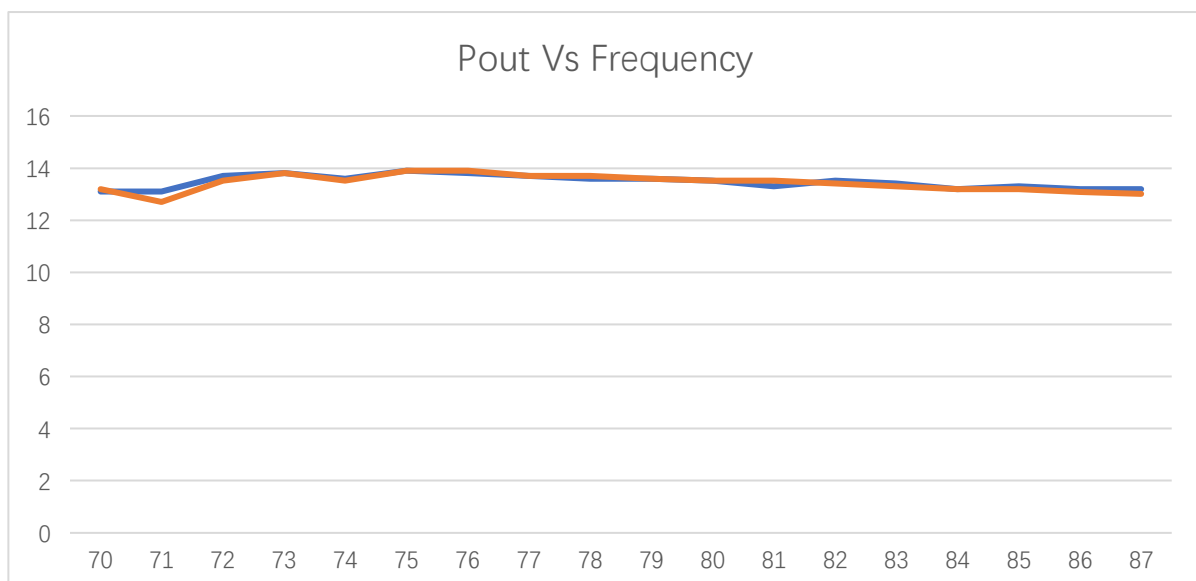
Mechanical Information:

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

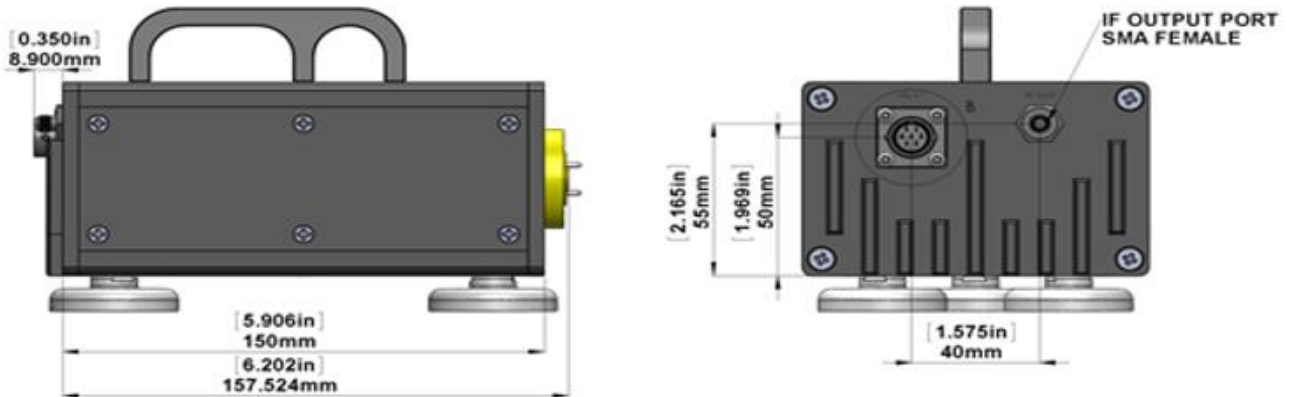
Parameter	Value
AC Supply	+240V
RF Input Power	+10dBm
Operating Temperature	0 to 50 C
Storage Temperature	-65 to +150C

Pout Vs Frequency (25C Room Temperature, Pin=+6dBm)



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.

