

AT-BTAM4-5075-32

Bench-Top Active Multiplier x4

X4 Full V Band Active Multiplier, High Power Bench-Top Test Equipment, WR-15



Product Overview

AT-BTAM4-5075-32 is a V band, active x4 frequency multiplier. The multiplier has an input frequency of 12.5-18.75 GHz with a typical output +32dBm from 50-75GHz.

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 standard WR-15 waveguide. Other port configurations are available under different requirement.

More information, please visit www.atmicrowave.com

Advantages

- ✓ Frequency: 50-75GHz
- ✓ Pout: +32dBm typical
- ✓ Input: 12.5-18.75GHz, +3dBm
- ✓ Bench-Top Labs Test

Application

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

Key Features

Parameter	Min	Typical	Max
Input Frequency	12.5GHz		18.75GHz
Input Power	0	+3dBm	+10dBm
Multiplier Factor		X4	
Output Frequency	50GHz		75GHz
Psat	+30dBm	+32dBm	
Harmonica Suppression		-20dBc	
Power Supply	90V	110 to 220V	240V
Spec Temp		25C	





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Mechanical Information:

Parameter	Value
IF Input Port	SMA Female
RF Output Port	WR-15
Power Supply	90 TO 240V AC to DC Power Converter included
DC Bias Switch	ON-OFF switch with light indicator
Weight	2.5KG
Dimension	See outline

Absolute Maximum Ratings Table

Parameter	Value
Power Supply	+90 to 260V
IF Input Power	+15dBm
Operating Temperature	0 to +50C
Storage Temperature	-65 to +150C

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.

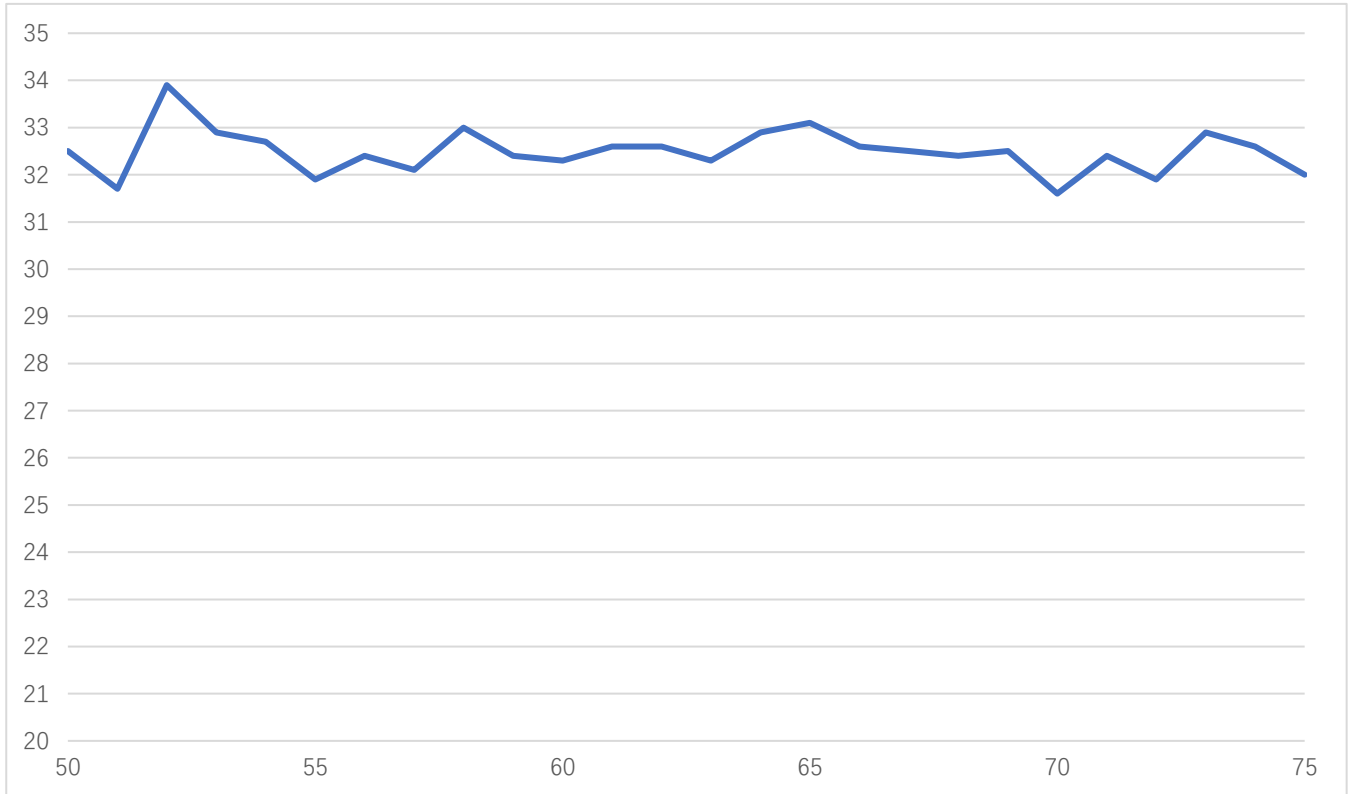




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Test data:



Psat vs Frequency



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Dimension(mm)

The bottom of the bench-top product is with four support foot pads in default.
Mounting bracket option is available according to request.

