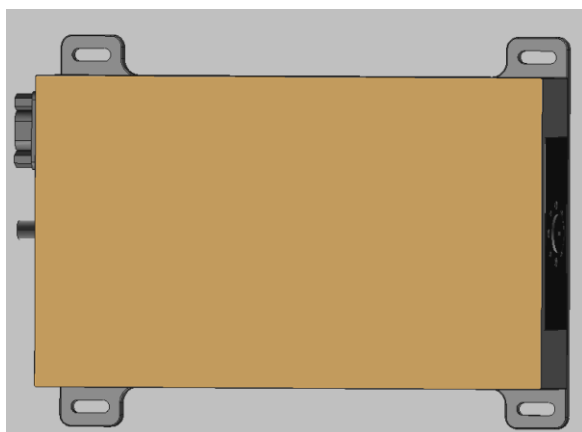


AT-AM24-340LM

Active Multiplier x24, 330-350GHz Pout=+7dBm

Broadband x24 Active Multiplier 330-350GHz, Pout=+7dBm, WR-2.8

2022-5-1



Description:

AT-AM24-340LM is a active x24 frequency multiplier. The multiplier has an input frequency of 13.75-14.58 GHz with a typical output +7dBm from 330-350GHz.

The X24 Multiplier is combined by X6 Active Frequency Multiplier, H Band doubler and 340GHz douler. The input port is SMA female, and the output is WR-2.8. Other port configurations are available under different requirement.

More information, please visit www.atmicrowave.com

Feature

- ✓ Frequency: 330-350GHz
- ✓ Pout: +7dBm typical
- ✓ Input: 13.75-14.58GHz
- ✓ Low Harmonics

Application

- ✓ THz Communication
- ✓ Test Equipment
- ✓ ROF (RF Over Fiber)
- ✓ Radar System

Electronical Specifications:

Parameter	Min	Typical	Max
Input Frequency		13.75-14.58GHz	
Input Power	+3dBm	+5dBm	+8dBm
Multiplier Factor		X24	
Output Frequency		330-350GHz	
Output Power	+4dBm	+7dBm	
Drain Voltage		+5V	+6V
Current NO RF/Psat		0.66/0.8A	
Spec Temp		25C	

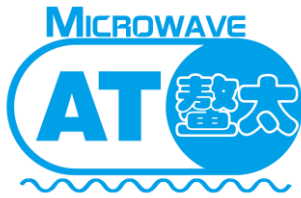
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AT-AM24-340LM

Active Multiplier x24, 330-350GHz Pout=+7dBm

Mechanical Information

Item	Description
Input Port	SMA Female
Output Port	WR-2.8
Case Material	Copper
Finish	Gold Plated
Weight	300g
Dimension	See outline

Absolute Maximum Ratings Table

Parameter	Value
Drain Supply	+8V
RF Input Power	+15dBm
Operating Temperature	0 to +50C
Storage Temperature	-65 to +150C

Notes:

- ✓ Datasheet may be changed according to update of MMIC, Raw materials , process, and so on.
- ✓ This data is only for reference, not for guaranteed specifications.
- ✓ Please contact AT Microwave team to make sure you have the most current data.
- ✓ Always pay attention to the temperature of the case, heatsink and fan are required if case temperature exceeds over 50C.

