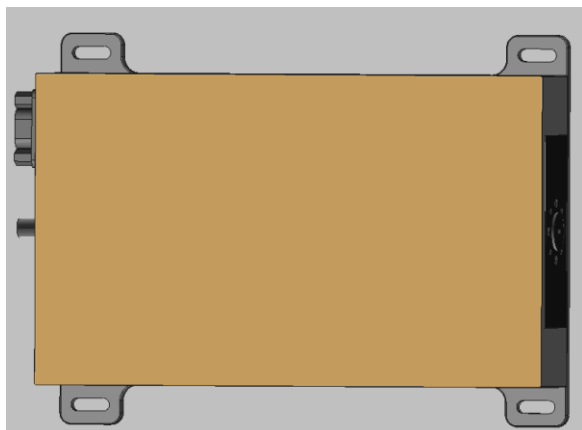


G/H Band X12 Active Multiplier

2022-5-1

165-175GHz, Pout=+15dBm, WR-05



Description:

AT-AM12-170-15LM is a G/H band, active x12 frequency multiplier. The multiplier has an input frequency of 13.75-14.58 GHz with a typical output +15dBm from 165-175GHz.

The X12 Multiplier is combined by X6 Active Frequency Multiplier and H Band doubler. The input port is SMA female, and the output is WR-05. Other port configurations are available under different requirement.

More information, please visit www.atmicrowave.com

Feature

- ✓ Frequency: 165-175GHz
- ✓ Pout: +15dBm typical
- ✓ Input: 13.75-14.58GHz
- ✓ Low Harmonics

Application

- ✓ G/H band 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		X12	
Output Frequency		165-175GHz	
Output Power	+13dBm	+15dBm	
Drain Voltage		+5V	+6V
Current NO RF/Psat		0.66/0.8A	
Spec Temp		25C	





AT-AM12-170-15LM

Active Multiplier x12, 165-175GHz Pout=+15dBm

Mechanical Information

Item	Description
Input Port	SMA Female
Output Port	WR-05
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.

