



AT-AM8-110150-15D1

X8 Active Multiplier, Pout=+15dBm

High Power x8 Active Multiplier, +15dBm F Band, 110-150GHz, WR-06

2022-2-26



Product Overview

AT-AM8-110150-15D1 is a F band, active x8 frequency multiplier. The multiplier has an input frequency of 13.75-18.75GHz with a typical output +15dBm from 110-150GHz.

This product is combined by a X4 Active frequency multiplier, X2 Passive doubler and a high power amplifier module.

More information, please visit www.atmicrowave.com

Feature

- ✓ Frequency: 110-150GHz
- ✓ Pout +15dBm Typ
- ✓ Input: 13.75-18.75GHz, +15dBm
- ✓ Single Power Supply

Application

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

Key Features

Parameter	Min	Typical	Max
Input Frequency		13.75-18.75GHz	
Multiplier Factor		X8	
Input Power	+10	+12dBm	+15dBm
Output Frequency		110-150GHz	
Output Power	+13dBm	+15dBm	
Supply Vdd1		+5V/0.44A	
Supply Vdd2		+5V/0.23A	
Specification Temp		25C	

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Mechanical Information

Item	Description
Input Port	SMA Female
Output Port	WR-06
Case Material	Copper
Finish	Gold Plated
Weight (Without Heatsink)	190g
Size:	See outline

Absolute Maximum Ratings Table

Parameter	Value
Drain Supply	+9V
RF Input Power	+20dBm
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.

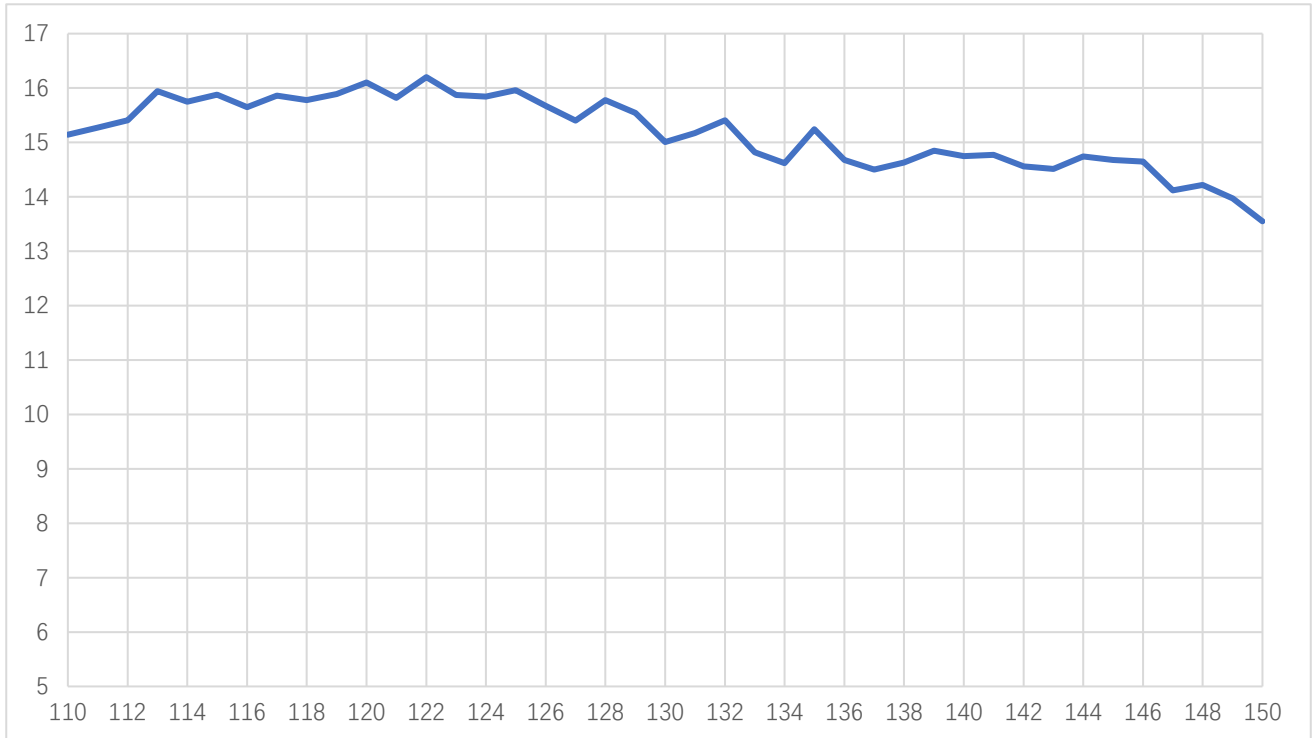




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Test Data



Pout vs Frequency, Pin=+10dBm

Dimension

TO BE ADDED

