

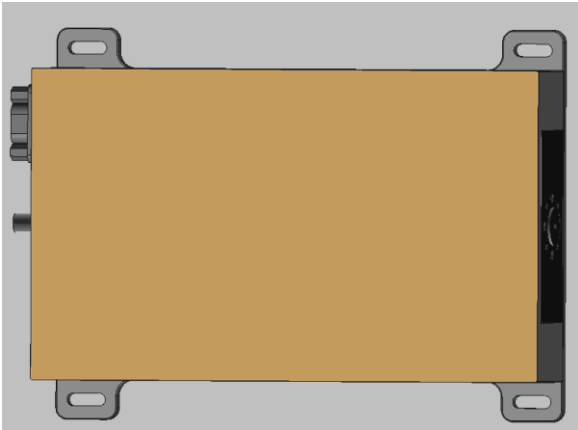


AT-AM8-100115-25G1

Active Multiplier x8, 100-115GHz Pout=+25dBm

High Power X8 F Band Active Multiplier 100-115GHz, Pout=+25dBm ,WR-08

2022-5-1



Product Overview

AT-AM8-100115-25G1 is a F band, active x8 frequency multiplier. The multiplier has an input frequency of 12.5-14.375GHz with a typical output +25dBm from 100-115GHz.

The integrated input and output buffers deliver high output power at a low drive level. The multiplier also has a typical harmonic suppression of -30dBc. The input port is SMA female, and the output is a WR-08 waveguide. Other port configurations are available under different requirement.

More information, please visit www.atmicrowave.com

Advantages

- ✓ Frequency: 100-115GHz
- ✓ Pout: +25dBm typical
- ✓ Input: 12.5-14.375GHz, +5dBm
- ✓ Single Supply

Application

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

Key Features

Parameter	Min	Typical	Max
Input Frequency		12.5-14.375GHz	
Input Power	+3dBm	+5dBm	+10dBm
Multiplier Factor		X8	
Output Frequency		100-115GHz	
Output Power	+23dBm	+25dBm	
Harmonica Suppression		-30dBc	
Drain Voltage		+5V	+8V
Current Quiescent/A		1.8A	
Current at Psat		2.2A	2.5A
Spec Temp		25C	

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Mechanical Information

Item	Description
Input Port	SMA Female
Output Port	WR-08
Case Material	Aluminum
Finish	Anodized
Weight (Without Heatsink)	450g
Size:	See outline

Absolute Maximum Ratings Table

Parameter	Value
Drain Supply	+9V
RF Input Power	+15dBm
Operating Temperature	0 to 50 C
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.

