

AT-AM8-7090-10T

Active Multiplier x8, 70-90GHz Pout=+10dBm

X8 E Band Active Multiplier

2020-08-18



Product Overview

AT-AM8-7090-10T is a E band, active x8 frequency multiplier. The multiplier has an input frequency of 8.75 to 11.25 GHz with a typical output +10dBm from 70-90GHz.

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 a WR-12 waveguide with a standard UG-387 flange. Other port configurations are available under different requirement.

More information, please visit www.atmicrowave.com

Advantages

- ✓ Frequency: 70-90GHz
- ✓ Pout: +10dBm typical
- ✓ Input: 8.75-11.25GHz, +5dBm
- ✓ Single Supply: +5V, LDO inside

Application

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

Key Features

Parameter	Min	Typical	Max
Input Frequency	8.75GHz		11.25GHz
Input Power		+5dBm	+10dBm
Output Frequency	70GHz		90GHz
Output Power	+8dBm	+10dBm	
Harmonica Suppression		-20dBc	
Drain Voltage		+5V/180mA	
Spec Temp		25C	

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Mechanical Information

Item	Description
Input Port	SMA Female
Output Port	WR-10
Case Material	Copper
Finish	Gold Plated
Weight (Without Heatsink)	190g
Size:	35X25X20 mm

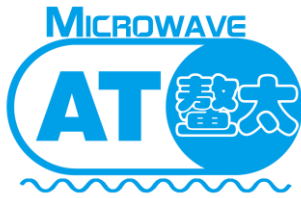
Absolute Maximum Ratings Table

Parameter	Value
Drain Supply	+6V
RF Input Power	+10dBm
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.





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Dimension:

