

AT-AM9-80100-00T

Active Multiplier x9, 80-100GHz Pout=0dBm

2020-08-18

X9 W Band Active Multiplier

Product Overview



AT-AM9-80100-00T is a W band, active x9 frequency multiplier. The multiplier has an input frequency of 8.11 to 11.11GHz with a typical output 0dBm from 80 to 100GHz.

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-10 waveguide with a standard UG-387 flange.

More information, please visit www.atmicrowave.com

Advantages

- ✓ Frequency: 80-100GHz
- ✓ Pout: +0dBm typical
- ✓ Input: 8.88-11.1GHz, +15dBm
- ✓ Single Supply: +5V, LDO inside

Application

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

Key Features

Parameter	Min	Typical	Max
Input Frequency	8.88GHz		11.11GHz
Input Power		+14 to +18dBm	
Output Frequency	80GHz		100GHz
Output Power		+0dBm	
Harmonica Suppression		-20dBc	
Drain Voltage		+5V/160mA	
Input Port		SMA Female	
Output Port		WR-10	
Dimension		35X25X20 mm	

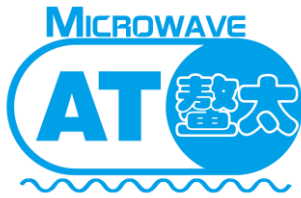
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Absolute Maximum Ratings Table

Parameter	Value
Drain Supply	+6V
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.

Dimension:

