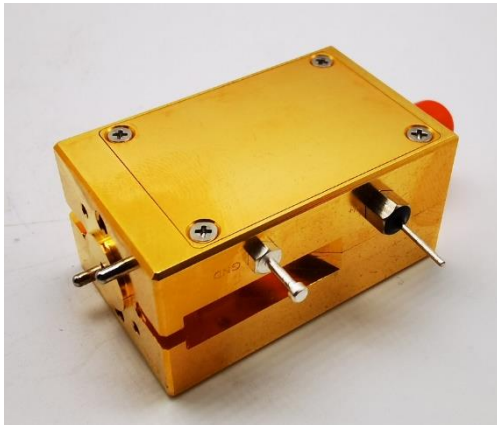


AT-AM4-7696-13N

Active Multiplier x4, 76-96GHz Pout=+13dBm

W Band X4 Active Multiplier 76-96GHz, Pout=+13dBm

2022-5-1



Description:

AT-AM4-7696-13N is a full band, active x4 frequency multiplier. The multiplier has an input frequency of 19-24 GHz with a typical output +13dBm from 76-96GHz.

The integrated input and output buffers deliver high output power at a low drive level. The multiplier also has a typical harmonic suppression. The input port is SMA female, and the output is WR-10.

More information, please visit www.atmicrowave.com

Feature

- ✓ Frequency: 76-96GHz
- ✓ Pout: +13dBm typical
- ✓ Input: 19-24GHz,
- ✓ Input Power:+13dBm

Application

- ✓ W band Communication
- ✓ Test Equipment
- ✓ ROF (RF Over Fiber)
- ✓ Radar System

Electrical Specifications:

Parameter	Min	Typical	Max
Input Frequency		19-24GHz	
Input Power	+11	+13dBm	+15
Multiplier Factor		X4	
Output Frequency		76-96GHz	
Output Power	+10dBm	+13dBm	
X3/X5 Harmonic Suppression		-30dBc	
Drain Voltage		+8V	+12V
Idd Current		180mA	
Spec Temp		25C	

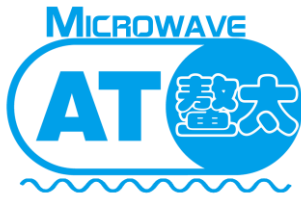
Shanghai AT Microwave Limited

Tel:021-6229 1233

Email:sales@atmicrowave.com

www.atmicrowave.com





AT-AM4-7696-13N

Active Multiplier x4, 76-96GHz Pout=+13dBm

Mechanical Information

Item	Description
Input Port	SMA Female
Output Port	WR-10
Case Material	Copper
Finish	Gold Plated
Weight	130g
Size:	See outline

Absolute Maximum Ratings Table

Parameter	Value
Drain Supply	+13V
RF Input Power	+20dBm
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.



Dimension (unit in mm)

