



AT-AM3-75110-20N

Active Multiplier x3, 75-110GHz Pout=+20dBm

Full W Band X3 Active Multiplier 75-110GHz, High Pout=+20dBm

2022-12-1



Description:

AT-AM3-75110-20N is a full W band, active x3 frequency multiplier. The multiplier has an input frequency of 25-36.66 GHz with a typical output +5dBm from 75-110GHz.

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 2.92mm female, and the output is WR-10.

More information, please visit www.atmicrowave.com

Feature

- ✓ Frequency: 75-110GHz
- ✓ Pout: +20dBm typical
- ✓ Input: 25-36.66GHz,
- ✓ Input Power: +10dBm

Application

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

Electrical Specifications:

Parameter	Min	Typical	Max
Input Frequency		25-36.66GHz	
Input Power	+10	+12dBm	+15
Multiplier Factor		X6	
Output Frequency		75-110GHz	
Output Power	+18dBm	+20dBm	
X2/X4Harmonic Suppression		-30dBc	
Drain Voltage		+9V	+12V
Idd Current		450mA	
Spec Temp		25C	





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Mechanical Information

Item	Description
Input Port	2.92mm Female
Output Port	WR-10
Case Material	Copper
Finish	Gold Plated
Weight	230g
Size:	See outline

Absolute Maximum Ratings Table

Parameter	Value
Drain Supply	+13V
RF Input Power	+16dBm
Operating Temperature	0 to +50C
Storage Temperature	-55 to +125C

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)

