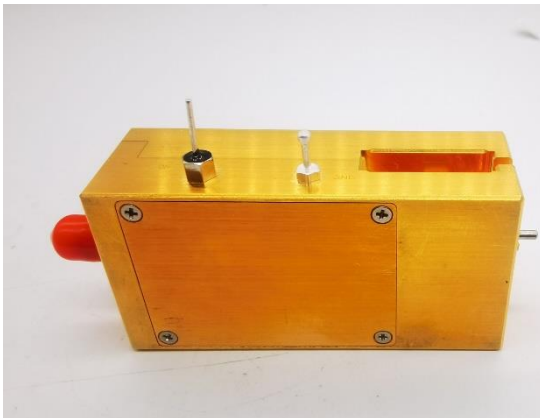


High Power x6 Active Multiplier, Pout=+18dBm, 96-110GHz, WR-10

2022-5-1



Product Overview

AT-AM6-96110-18G is a W band, active x6 frequency multiplier. The multiplier has an input frequency of 16- to 18.83GHz with a typical output +18dBm from 96-110GHz.

The integrated input and output buffers deliver high output power at a low drive level. The multiplier also has a typical harmonic suppression of -15dBc. 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

Feature

- ✓ Frequency: 96-110GHz
- ✓ Pout +18dBm Typ
- ✓ Input: 16-18.83GHz, +13dBm
- ✓ Single Power Supply

Application

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

Key Features

Parameter	Min	Typical	Max
Input Frequency		16-18.83GHz	
Multiplier Factor		X6	
Input Power	+10	+13dBm	+15dBm
Output Frequency		96-110GHz	
Output Power	+15dBm	+18dBm	
Harmonic Suppression		-15dBc	
Drain Voltage		+5V/0.9A	1.1A
Specification Temp		25C	





AT-AM6-96110-18G

X6 Active Multiplier, Pout=+18dBm

Mechanical Information

Item	Description
Input Port	SMA Female
Output Port	WR-10
Case Material	Copper
Finish	Gold Plated
Weight	190g
Size:	See outline

Absolute Maximum Ratings Table

Parameter	Value
Drain Supply	+9V
RF Input Power	+20dBm
Operating Temperature	0 to +50C
Storage Temperature	-65 to +180C

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

