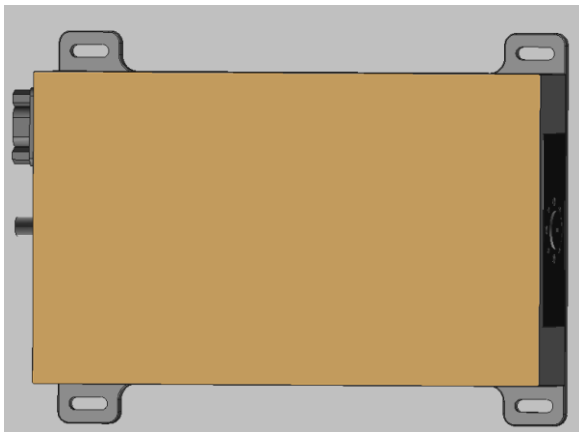


## x6 V Band Active Multiplier High Power, Pout=+34dBm, WR-15

2022-7-1



### Product Overview

AT-AM6-5766-34GN is a V band, active x6 frequency multiplier. The multiplier has an input frequency of 9.5-11 GHz with a typical output +34GNdBm from 57-66GHz.

The integrated input and output buffers deliver high output power at a low drive level. The multiplier also has a typical harmonic suppression of -50dBc. The input port is SMA female, and the output is a WR-15 waveguide. Other port configurations are available under different requirement.

More information, please visit [www.atmicrowave.com](http://www.atmicrowave.com)

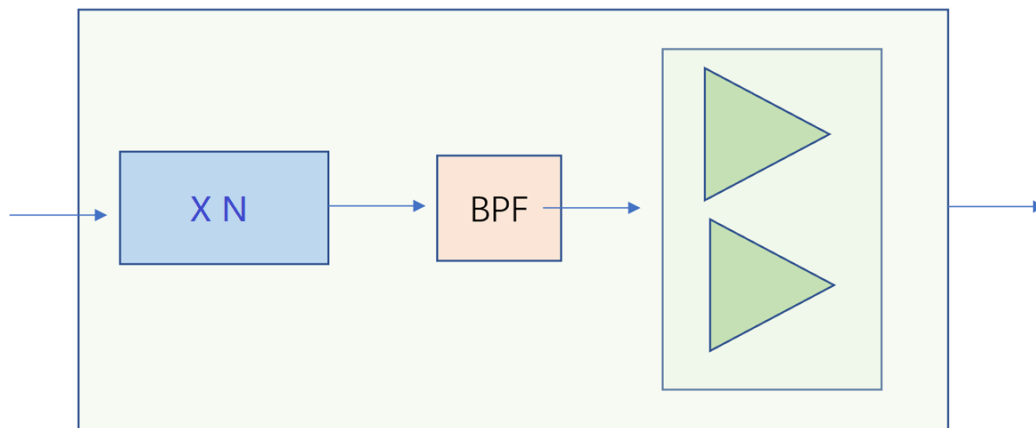
### Advantages

- ✓ Frequency: 57-66GHz
- ✓ Pout: +34dBm typical
- ✓ Input: 9.5-11GHz, +5dBm
- ✓ Single Power Supply

### Application

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

### Block Diagram





# AT-AM6-5766-34GN

Active Multiplier x6, 57-66GHz Pout=+34dBm

## Key Features

Parameter	Min	Typical	Max
Input Frequency	9.5GHz		11GHz
Input Power	0	+5dBm	+10
Multiplier Factor		X6	
Output Frequency	57GHz		66GHz
Output Power	+32dBm	+34dBm	
Harmonic Suppression		-50dBc	
Drain Voltage		+24V	+28V
Current		2.5A	3.1A
Spec Temp		25C	

## Mechanical Information

Item	Description
Input Port	SMA Female
Output Port	WR-15
Case Material	Copper
Finish	Gold Plated
Weight	750g
Size:	See outline





# AT-AM6-5766-34GN

Active Multiplier x6, 57-66GHz Pout=+34dBm

## Absolute Maximum Ratings Table

Parameter	Value
Drain Supply	+36V
RF Input Power	+15dBm
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.

