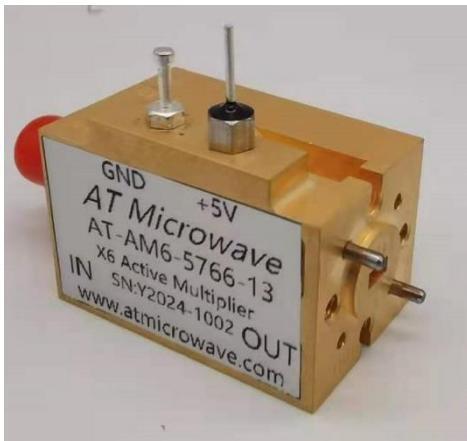


## x6 V Band Active Multiplier 57-66GHz, Pout=+13dBm, WR-15

2020-11-24



### Product Overview

AT-AM6-5766-13 is a V band, active x6 frequency multiplier. The multiplier has an input frequency of 9.5-11 GHz with a typical output +13dBm 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 -30dBc. The Multiplier can be used as LO for mixers, including AT-MIX-5075H, AT-MIX-5075L, AT-IQM-5065L.

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

### Advantages

- ✓ Frequency: 57-66GHz  
Can be used at 55-75GHz
- ✓ Pout: +13dBm typical
- ✓ Input: 9.5-11GHz, +5dBm

### Application

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

### Key Features

Parameter	Min	Typical	Max
Input Frequency	9.5GHz		11GHz
Input Power	+3dBm	+5dBm	+10
Multiplier Factor		X6	
Output Frequency	57GHz		66GHz
Output Power	+12dBm	+13dBm	+15dBm
Harmonic Suppression		-30dBc	
Drain Voltage		+5V	+8V
Current		240mA	
Spec Temp		25C	





# AT-AM6-5766-13

Active Multiplier x6, 57-66GHz Pout=+13dBm

## Mechanical Information

Item	Description
Input Port	SMA Female
Output Port	WR-15
Case Material	Copper
Finish	Gold Plated
Weight (Without Heatsink)	190g
Size:	30X20X20 mm

## Absolute Maximum Ratings Table

Parameter	Value
Drain Supply	+9V
RF Input Power	+15dBm
Operating Temperature	0 to +50C
Storage Temperature	-65 to +150C

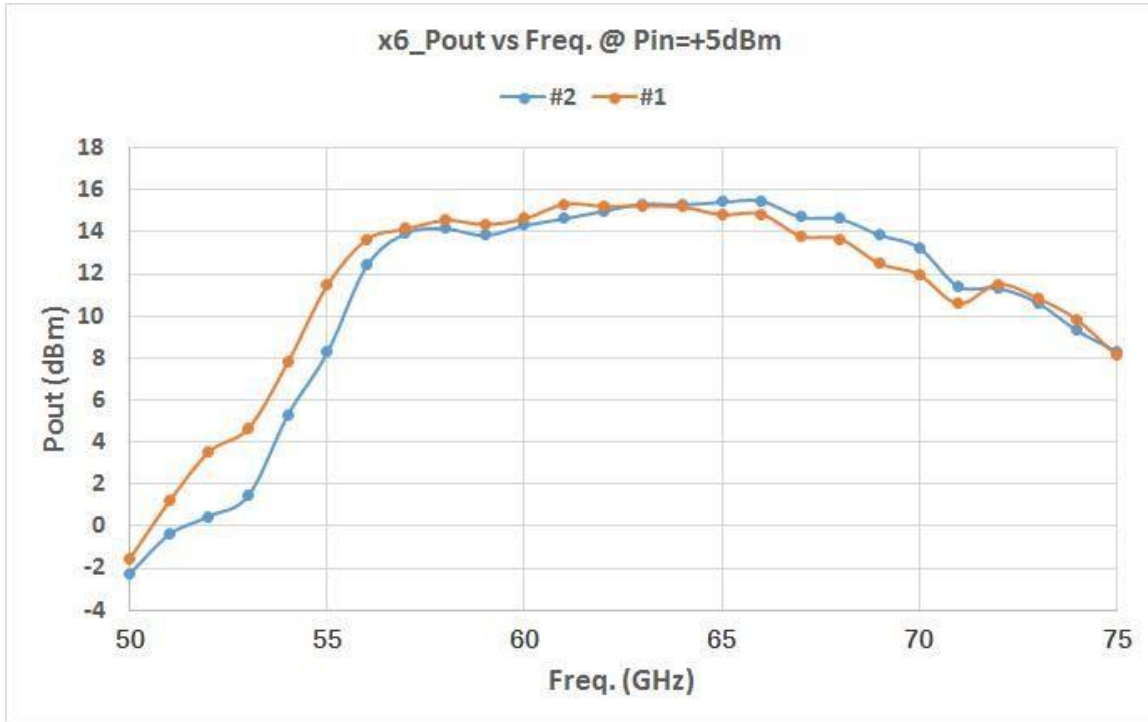
## Notes:

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.

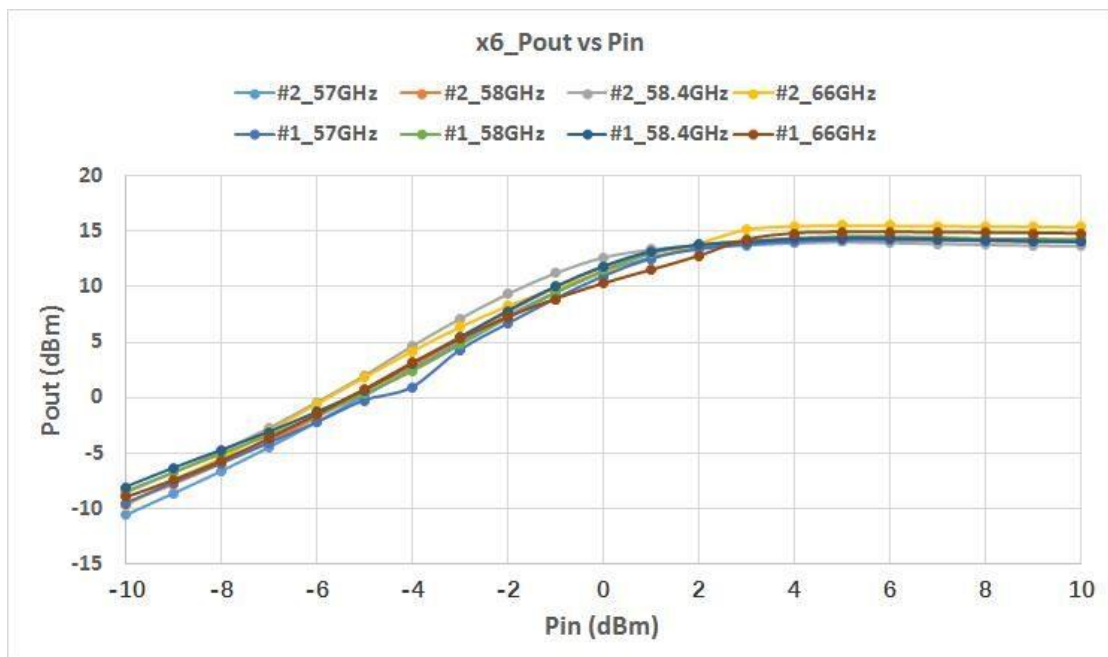


## Test Data (25C)

Please note that test curves will vary slightly from unit to unit.



Pout vs Frequency



Pout vs Input Power



**Dimension:** (Unit:mm)

