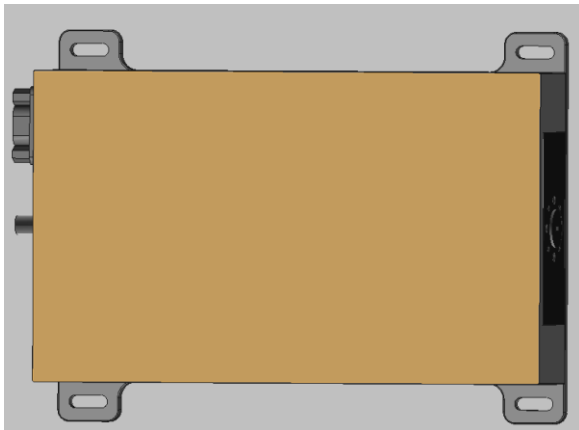


High Power X4 U Band Active Multiplier 40-60GHz, Pout=+34dBm ,WR-19

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Product Overview

AT-AM4-4060-34GN is a U band, active x4 frequency multiplier. The multiplier has an input frequency of 10-15GHz with a typical output +34dBm from 40-60GHz.

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 input port is SMA female, and the output is a WR-19 waveguide. Other port configurations are available under different requirement.

More information, please visit www.atmicrowave.com

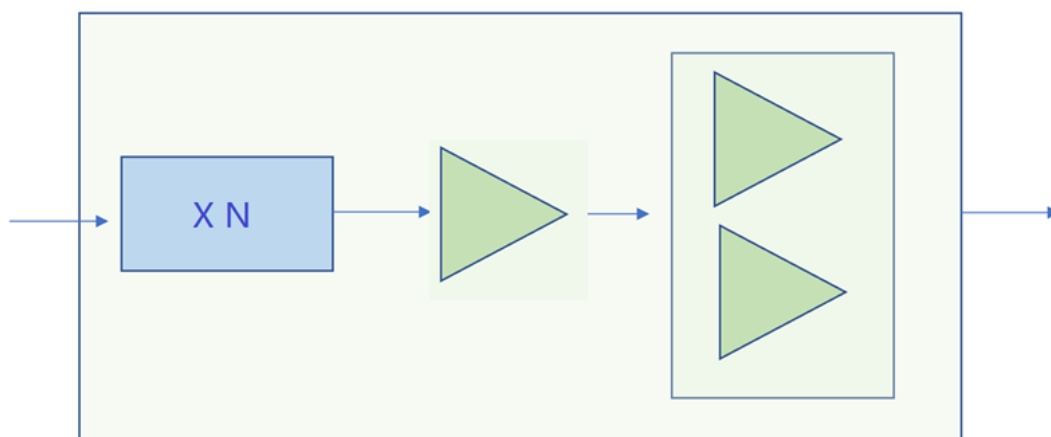
Advantages

- ✓ Frequency: 40-60GHz
- ✓ Pout: +34dBm typical
- ✓ Input: 10-15GHz, +3dBm
- ✓ Single Supply

Application

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

Block Diagram





AT-AM4-4060-34GN

Active Multiplier x4, 40-60GHz Pout=+34dBm

Key Features

Parameter	Min	Typical	Max
Input Frequency		10-15GHz	
Input Power	+0dBm	+3dBm	+7dBm
Multiplier Factor		X4	
Output Frequency		40-60GHz	
Output Power	+33dBm	+34dBm	
Harmonics Suppression		-30dBc	
Drain Voltage		+24V	+28V
Current at Psat		2.8A	3.5A
Spec Temp		25C	

Mechanical Information

Item	Description
Input Port	SMA Female
Output Port	WR-19
Case Material	Aluminum
Finish	Anodized
Weight (Without Heatsink)	750g
Size:	See outline





AT-AM4-4060-34GN

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Absolute Maximum Ratings Table

Parameter	Value
Drain Supply	+30V
RF Input Power	+15dBm
Operating Temperature	0 to 50 C
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.

