

X4 Full U Band Active Multiplier, Bench-Top, WR-19



Product Overview

AT-BTAM4-4060-18 is a U band, active x4 frequency multiplier. The multiplier has an input frequency of 10 to 15 GHz with a typical output +18dBm 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 -20dBc. The input port is SMA female, and the output is standard WR-19 waveguide.

Please note that there is no isolator at output Port in default. Isolator can be added by -ISO option with extra insertion loss.

More information, please contact with sales@atmicrowave.com

Advantages

- ✓ Frequency: 40-60GHz
- ✓ Pout: +18dBm typical
- ✓ Input: 10-15GHz, +3dBm
- ✓ Bench-Top Labs Test

Application

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

Key Features

Parameter	Min	Typical	Max
Input Frequency	10GHz		15GHz
Input Power	+7dBm	+10dBm	+16dBm
Multiplier Factor		X4	
Output Frequency	40GHz		60GHz
Output Power	+16dBm	+18dBm	
Harmonica Suppression		-30dBc	
Power Supply	90V	220V	240V
Power Consumption		10W	
Spec Temp		25C	





AT-BTAM4-4060-18

Bench-Top Active Multiplier x4

Mechanical Information:

Parameter	Value
IF Input Port	SMA Female
RF Output Port	WR-19
Power Supply	90V to 240V AC to DC Power Converter included
DC Bias Switch	ON-OFF switch with light indicator
Weight	2.5KG
Dimension	See outline

Absolute Maximum Ratings Table

Parameter	Value
Power Supply	+90 to 260V
IF Input Power	+15dBm
Operating Temperature	0 to +50C
Storage Temperature	-45 to +85C

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.



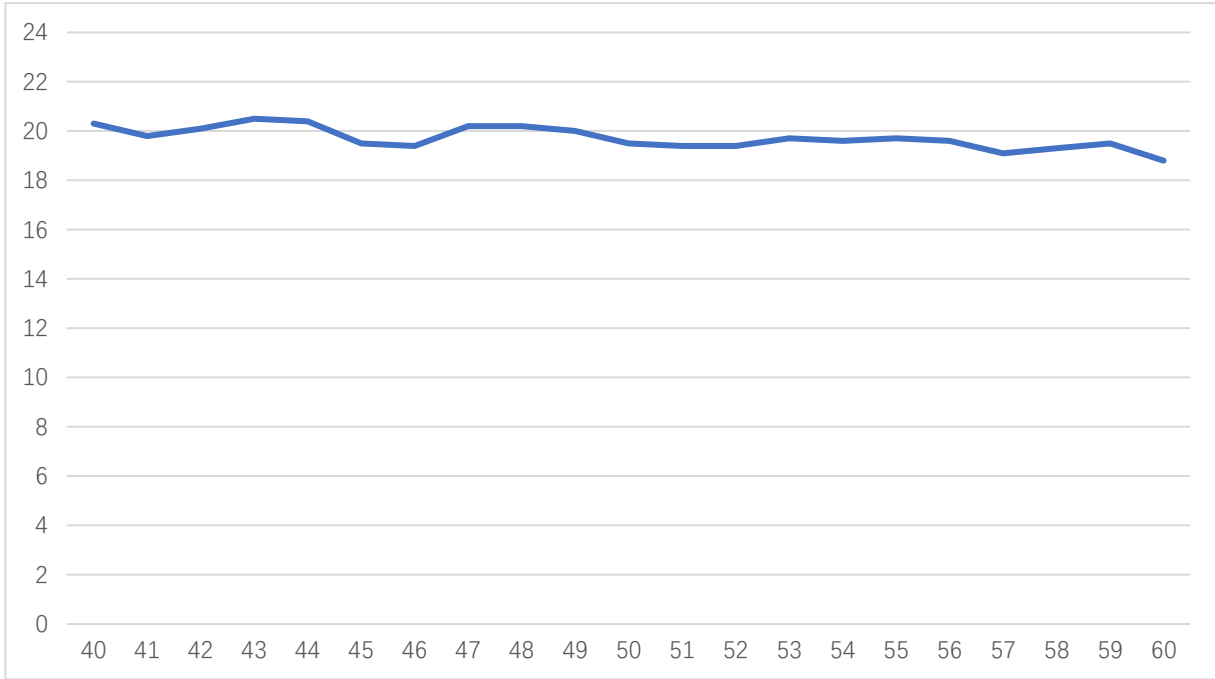


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Test Data (25C)

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



Pout vs Frequency



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Dimension(mm)

The bottom of the bench-top product is with four support foot pads in default.
Mounting bracket option is available according to request.

