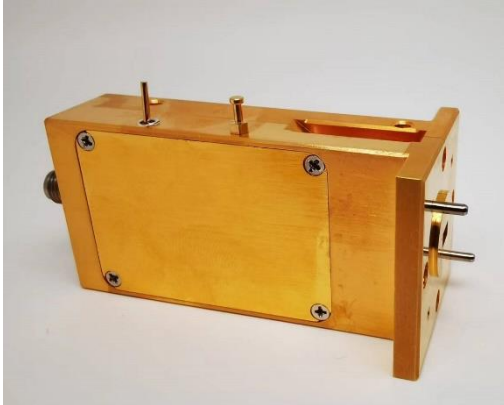


Voltage Control Oscillator, High Power = +18dBm

Full U Band(40-60GHz), WR-19



Product Overview

AT-VCO-4060-18 is broadband voltage controlled oscillator with 40-60GHz output frequency and +18dBm power.

The product is combined by a 10-20GHz VCO and X4 Active Frequency Multiplier. Higher Power is available by adding higher power amplifier.

More information, please visit www.atmicrowave.com

Advantages

- ✓ Wideband Tuning
- ✓ Low SSB phase noise
- ✓ Low power consumption
- ✓ Simple Power Supply

Application

- ✓ 5G Communication
- ✓ Test Equipment
- ✓ ROF (RF Over Fiber)
- ✓ Radar System

Key Features

Parameter	Min	Typical	Max
RF OUT Frequency Range		40-60GHz	
Output Power	+15	+18dBm	
Vtune Range		0-10V	
Vtune Current		10 uA	25uA
Vdd		+5V	+6V
Current		400mA	
Temp		25C	





AT-VCO-4060-18

40-60GHz Voltage Control Oscillator

Mechanical Information

Item	Description
Vtune Port	SMA Female
RF Output Port	WR-19
Vdd Power Supply	PIN
Case Material	Copper
Finish	Gold Plated
Weight	TBD
Dimension	See outline

Absolute Maximum Ratings Table

Parameter	Value
Drain Supply	+9V
Vtune	+25V
Operating Temperature	0 to + 50C
Storage Temperature	-45 to +85C

Caution:

Please pay attention to the case temperature. If case temperature exceeds +40C, heat sink and fan are required, or the amplifier may be damaged.

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 (Unit:mm)

