

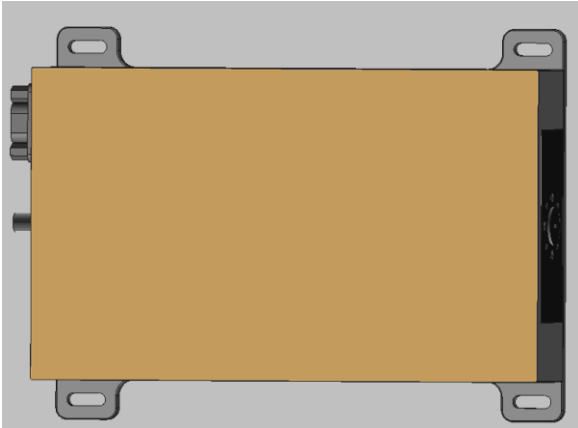


AT-VCO-4060-34D1

40-60GHz Voltage Control Oscillator

Voltage Control Oscillator, High Power = +34dBm

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



Product Overview

AT-VCO-4060-34D1 is broadband voltage controlled oscillator with 40-60GHz output frequency and +34dBm power.

Vtune port is SMA Female, and Output is WR-19 Waveguide with UG-383/U Flanges. Power supply is +24V.

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	
Vtune Range		0-10V	
Output Power	+32	+34dBm	
Phase Noise @100kHz		-72dBc/Hz	
Vtune Current		10 uA	25uA
Vdd		+24V	+28V
Current		2.5A	
Sensitivity		0.9-1.45GHz/V	
Temp		25C	





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Mechanical Information

Item	Description
Vtune Port	SMA Female
RF Output Port	WR-19
Vdd Power Supply	PIN
Case Material	Copper
Finish	Gold Plated
Weight (Without Heatsink)	450g
Dimension	See outline

Absolute Maximum Ratings Table

Parameter	Value
Drain Supply	+36V
Vtune	+25V
Operating Temperature	0 to + 50C
Storage Temperature	-65 to +125C

Caution:

Please pay attention to the case temperature. If case temperature exceed higher than +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.

