

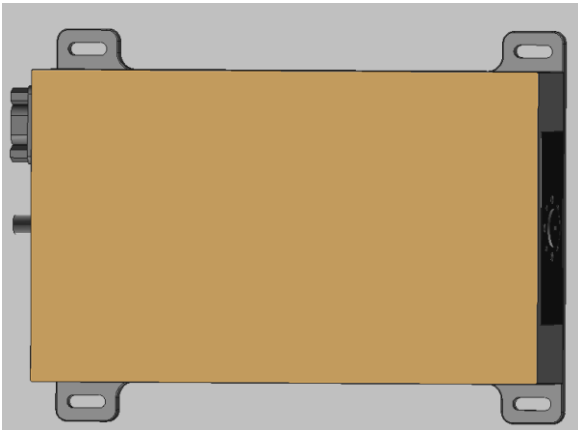


# AT-VCO-5766-34D1

57-66GHz Voltage Control Oscillator

## Voltage Control Oscillator, High Power=+34dBm

### 57-66GHz, WR-15 Waveguide



#### Product Overview

AT-VCO-5766-32D1 is broadband voltage controlled oscillator with 57-66GHz output frequency and +34dBm power.

Vtune port is SMA Female, and Output is WR-15 Waveguide with UG-385/U Flanges. Power supply is +24V.

More information, please visit [www.atmicrowave.com](http://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		57-66GHz	
Vtune Range		2-13V	
Output Power	+32	+34dBm	
Phase Noise @100kHz		-75dBc/Hz	
Vtune Current		10 uA	25uA
Vdd		+24V	+28V
Current		2.5A	
Temp		25C	





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## Mechanical Information

Item	Description
Vtune Port	SMA Female
RF Output Port	WR-15
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	+15V
Operating Temperature	0 to + 50C
Storage Temperature	-65 to +150C

### Caution:

Please pay attention to the case temperature. If case temperature exceed higher than +50C, 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.

