

Waveguide VCO, +23dBm Full Q Band (33-50GHz), WR-22



Product Overview

AT-VCO-3350-23 is broadband voltage controlled oscillator with 33-50GHz output frequency and +23dBm power.

The product is integrated with a 8.25-12.5GHz VCO and X4 Active Frequency Multiplier. Higher/lower Power is available according to request.

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		33-50GHz	
Output Power	+20dBm	+23dBm	
Vtune Range		1-10V	
Vtune Current		10 uA	25uA
Vdd		+5V	+6V
Current		0.6A	0.8A
Temp		25C	





AT-VCO-3350-23

33-50GHz Voltage Control Oscillator

Mechanical Information

Item	Description
Vtune Port	SMA Female
RF Output Port	WR-22
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 exceed higher than +33C, 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)

