

# Voltage Controlled Oscillator

# RSO3075AM

Ultra Low Noise 2877 to 3273 MHz

Rev. A

## Features

- Ultra low noise
- Linear tuning characteristics
- Low pushing / Low pulling

## Applications

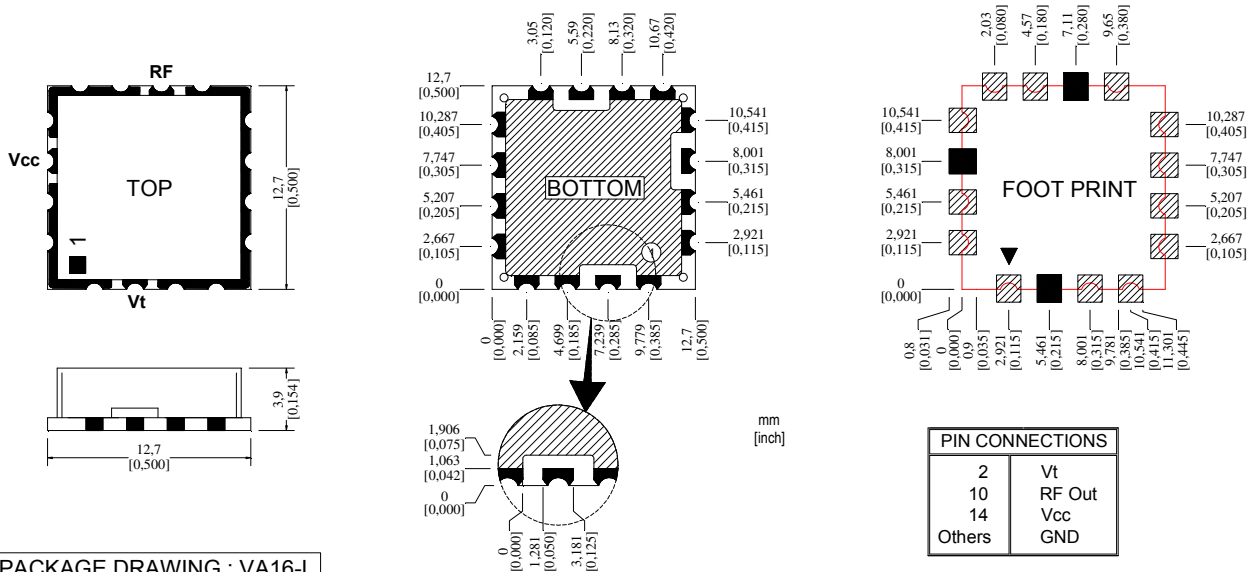
- SATCOM
- Receiver
- Test Equipment
- Radar
- Point-to-Point
- Radio
- MMDS
- WiMax

## Electrical Characteristics



Parameter	Units	Min	Typ	Max
Operating Frequency Range	MHz	2877		3273
Output Power	dBm		0.0	
Output Impedance	$\Omega$		50	
Phase Noise	@10kHz offset		-108	
	@100kHz offset		-128	
Tuning Voltage (Vt)	Vdc	0		+18
Tuning Voltage Sensitivity (Kv)	MHz/V		29	
2nd Harmonic Suppression	dBc		-14	
Power Supply (Vcc)	Voltage		8	
	Current		29	
Pushing Figure	MHz/V		0.2	
Pulling Figure	MHz		0.5	
Input Capacitance	pF		10	
Operating Temp. Range	$^{\circ}\text{C}$	-40		+85

## Dimensions



PACKAGE DRAWING : VA16-L