



## Features and Benefits

- Low phase noise
- Linear tuning characteristics
- Low pushing / Low pulling
- Aqueous washable

## Typical Applications

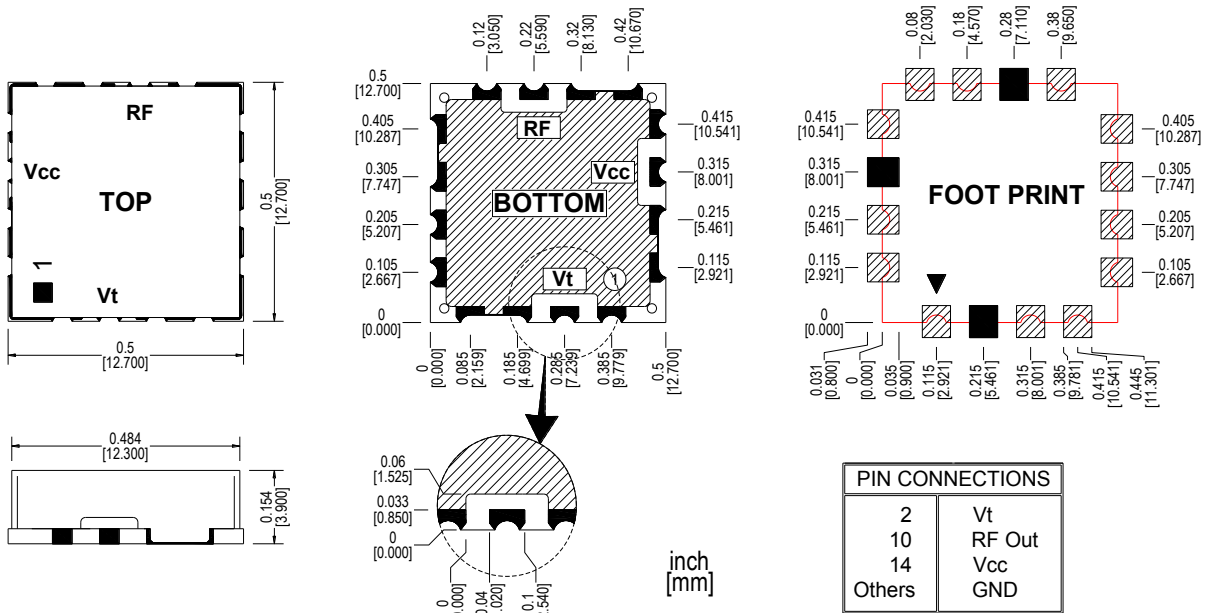
- Broadcast
- VHF radio
- Wireless Telemetry
- Test Instrument-Signal Generation

## Description

Ultra-low Noise Surface Mount VCO

## Mechanical Drawing & Pin Connections

Drawing No: A8%\$\$, (!&



PIN CONNECTIONS	
2	Vt
10	RF Out
14	Vcc
Others	GND



### Specifications

Parameter	Units	Min.	Typical	Max.
Operating Frequency Range	MHz	400		800
Power Supply (Vcc)	Voltage		5	
	Current			30
Output Power	dBm	0	+5	+10
Output Impedance	Ω		50	
Phase Noise @10kHz offset	dBc / Hz		-100	
Phase Noise @100kHz offset	dBc / Hz		-118	
Tuning Voltage (Vt)	V	0		12
Tuning Voltage Sensitivity (Kv)	MHz / V	42	50	
2nd Harmonic Suppression	dBc		-5	
Pushing Figure	MHz / V			5
Pulling Figure (12dB Return Loss, all phases)	MHz			5
Input Capacitance	pF			200
Operating Temperature Range	°C	-10		+70