



# Dynamic Engineers Inc.

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1200-2700MHz Voltage Controlled Oscillator

## Features and Benefits

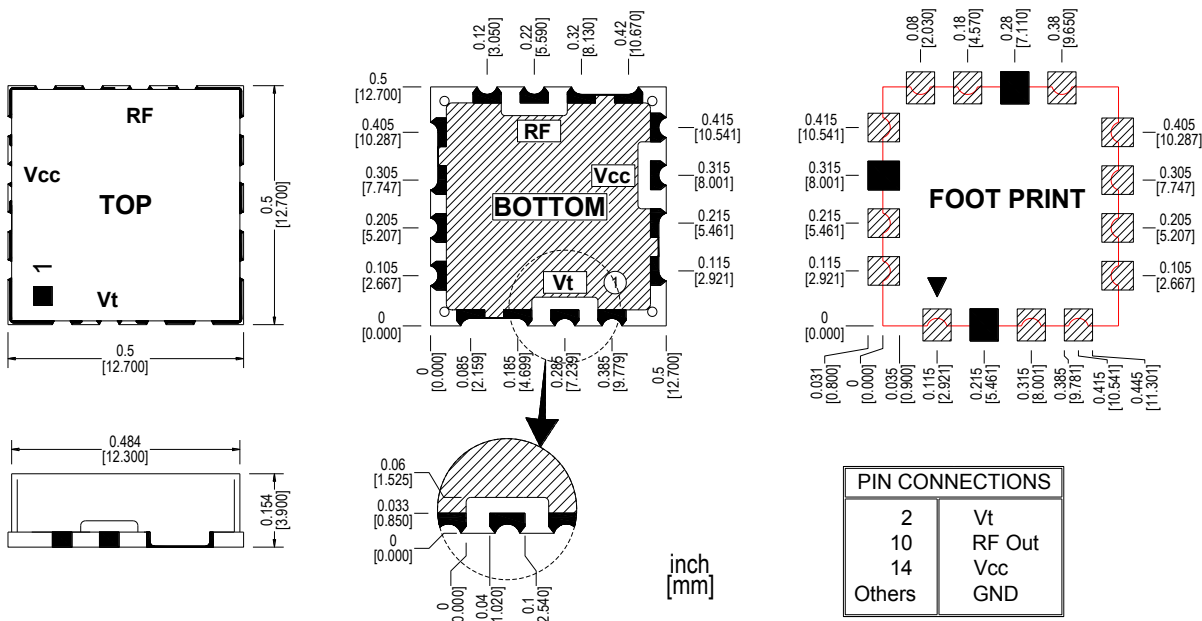
- Frequency range: 1200-2700MHz
- Supply voltage: 12V
- Current: 40mA Max.
- Output power: +12dBm Max.
- Tuning voltage: 0V to 22V
- Phase noise: -109dBc/Hz@100KHz
- Operating temperature: -40°C to +85°C
- Size: 12.7x12.7x3.9mm

## Typical Applications

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

## Mechanical Drawing & Pin Connections

Drawing No: MD140084-2





### Specifications

Parameter	Units	Min.	Typical	Max.
Operating Frequency Range	MHz	1200		2700
Power Supply (Vcc)	Voltage		12	
	Current			40
Output Power	dBm	+6.0	+9.0	+12.0
Output Impedance	Ω		50	
Phase Noise @10kHz offset	dBc / Hz		-85	
Phase Noise @100kHz offset	dBc / Hz		-109	
Tuning Voltage (Vt)	V	0		+22
Tuning Voltage Sensitivity (Kv)	MHz / V		15-200	
2nd Harmonic Suppression	dBc		-12	
Pushing Figure	MHz / V		5	
Pulling Figure	MHz		15	
Input Capacitance	pF		100	
Operating Temperature Range	°C	-40		+85