



## Features and Benefits

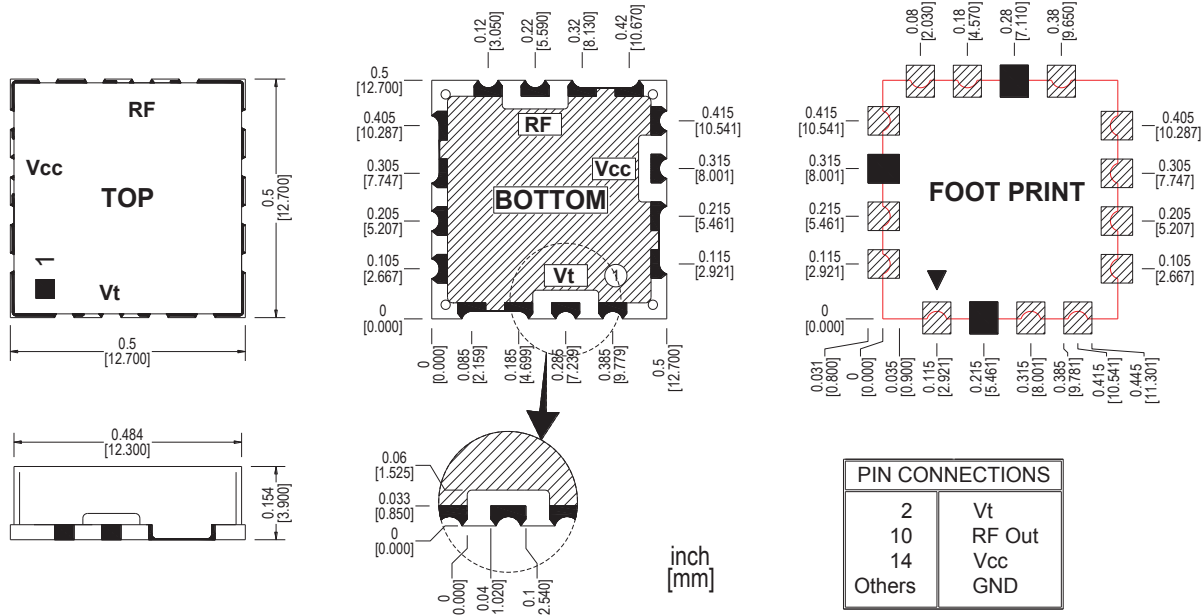
Frequency range: 1400MHz – 2650MHz  
Supply voltage: 5V  
Current: 40mA Max.  
Output power: +10dBm Max.  
Tuning voltage: 0V to 22V  
Phase noise: -112dBc/Hz@100KHz  
Operating temperature: -40°C to +85°C  
Size: 12.7x12.7x3.9mm

## 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	1400		2650
Power Supply (Vcc)	Voltage	Vdc		5	
	Current	mA			40
Output Power		dBm	+2.5	+6.5	+10.5
Output Impedance		$\Omega$		50	
Phase Noise @10kHz offset		dBc / Hz		-90	
Phase Noise @100kHz offset		dBc / Hz		-112	
Tuning Voltage (Vt)		V	0		+22
Tuning Voltage Sensitivity (Kv)		MHz / V		30-130	
2nd Harmonic Suppression		dBc		-12	
Pushing Figure		MHz / V		5	
Pulling Figure		MHz		15	
Input Capacitance		pF		100	
Operating Temperature Range		$^{\circ}\text{C}$	-40		+85