



### Features and Benefits

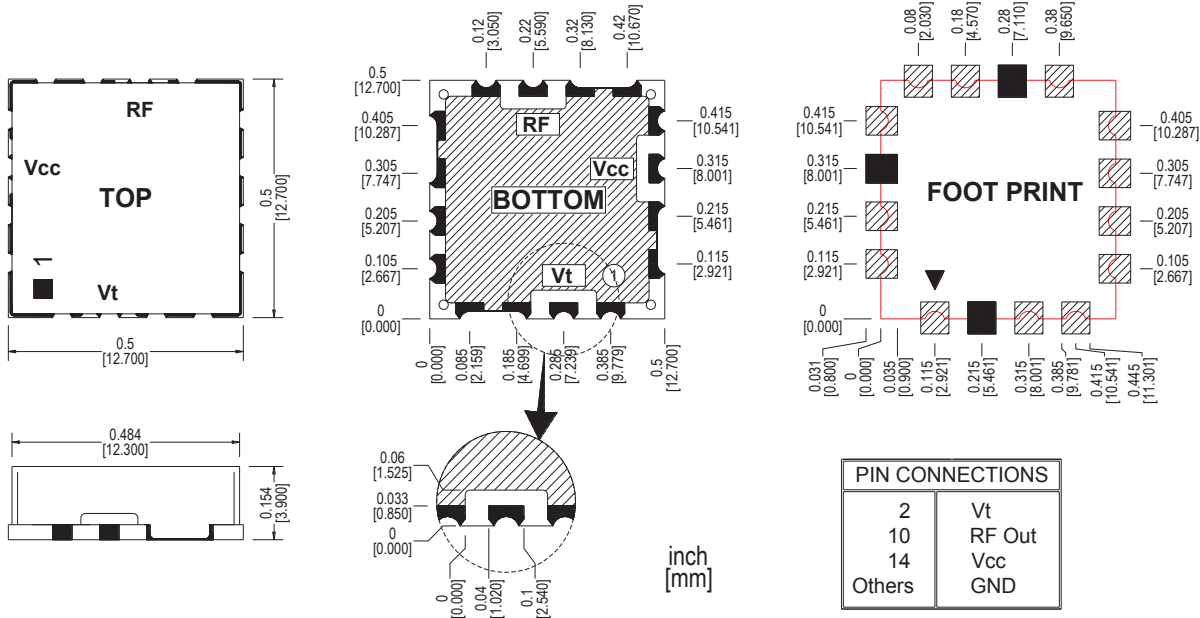
Frequency range: 1400MHz – 2650MHz  
 Supply voltage: 5V  
 Current: 40mA Max.  
 Output power: +10dBm Max.  
 Tuning voltage: 0V to 22V  
 Phase noise: -112dBc/Hz@100KHz  
 Operating temperature: -40°C to +85°C  
 Size: 12.7x12.7x3.9mm

### 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		5	
	Current			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