



## Features and Benefits

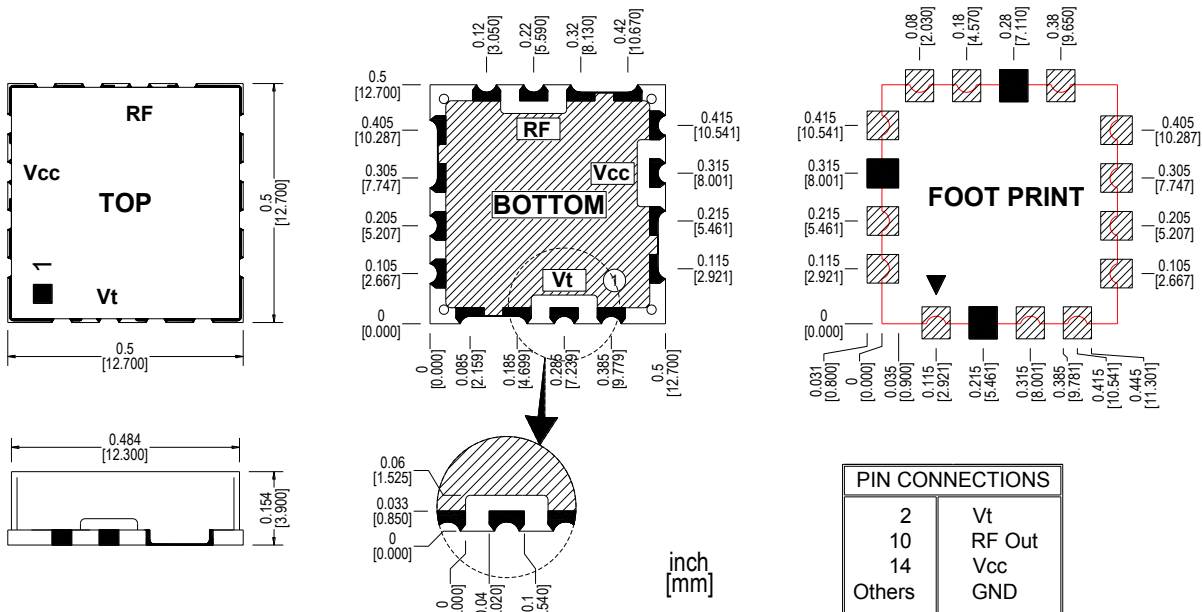
Frequency Range:702-735MHz  
 Supply Voltage:5V  
 Current: 25mA Max.  
 Output power: +6.5dBm Max.  
 Tuning Voltage: 0.5-4.5V  
 Phase noise: -107dBc/Hz@10KHz  
 Operating temperature: -40°C--+85°C  
 Size:12.7x12.7x3.9mm  
 Package type: SMD

## Typical Applications

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

## Mechanical Drawing & Pin Connections

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





### Specifications

Parameter	Units	Min.	Typical	Max.
Operating Frequency Range	MHz	702		735
Power Supply (Vcc)	Voltage		+5	
	Current			25
Output Power	dBm	+1.5	+4	+6.5
Output Impedance	$\Omega$		50	
Phase Noise @10kHz offset	dBc / Hz		-107	-102
Tuning Voltage (Vt)	V	0.5		+4.5
Tuning Voltage Sensitivity (Kv)	MHz / V		19-23	
2nd Harmonic Suppression	dBc			-10
Pushing Figure	MHz / V			7
Pulling Figure(14dB RL)	MHz			3
Input Capacitance	pF		47	
Operating Temperature Range	$^{\circ}\text{C}$	-40		+85