



**Features and Benefits**

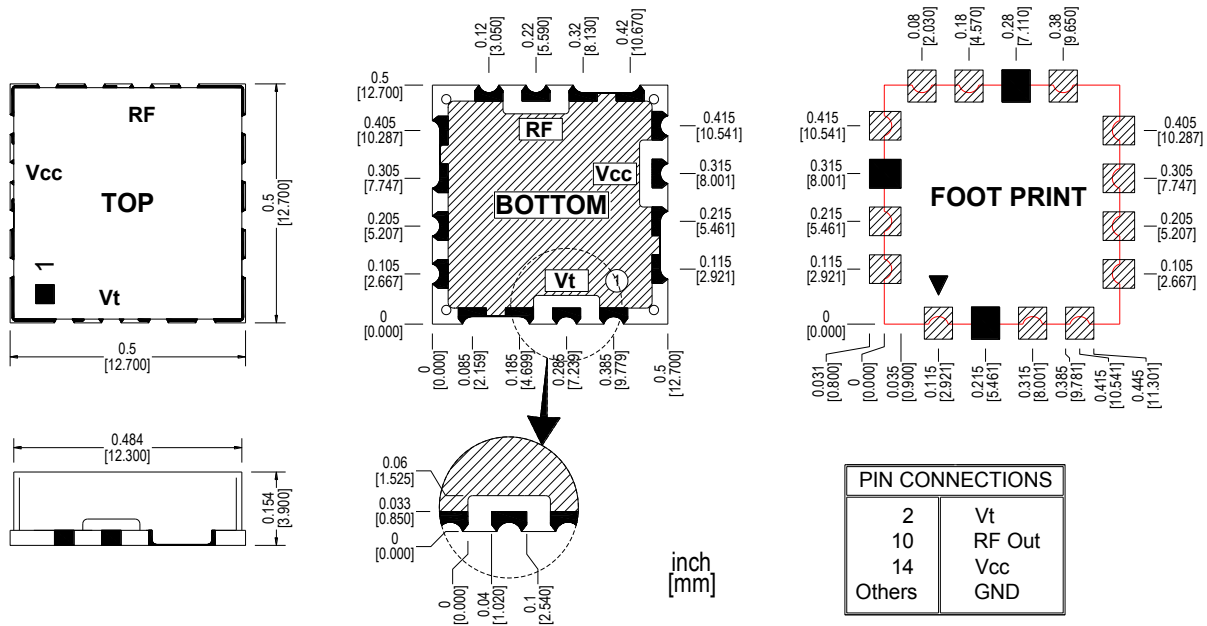
Frequency Range:830-970MHz  
 Supply Voltage:5.0V  
 Current: 25mA Max.  
 Output power: +7.0dBm Max.  
 Tuning Voltage: 0-5V  
 Phase noise: -102dBc/Hz@10KHz  
 Operating temperature: -30°C--+80°C  
 Size:12.7x12.7x3.9mm

**Typical Applications**

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

**Mechanical Drawing & Pin Connections**

**Drawing No: MD140084-2**





### Specifications

Parameter	Units	Min.	Typical	Max.
Operating Frequency Range	MHz	830		970
Power Supply (Vcc)	Voltage		+5.0	
	Current			25
Output Power	dBm	+1.0	+4.0	+7.0
Output Impedance	$\Omega$		50	
Phase Noise @10kHz offset	dBc / Hz		-102	-97
Tuning Voltage (Vt)	V	0		+5
Tuning Voltage Sensitivity (Kv)	MHz / V		46-54	
2nd Harmonic Suppression	dBc			-10
Pushing Figure	MHz / V			7
Pulling Figure (14dB RL)	MHz			3
Input Capacitance	pF		47	
Operating Temperature Range	$^{\circ}\text{C}$	-30		+80