



**Features and Benefits**

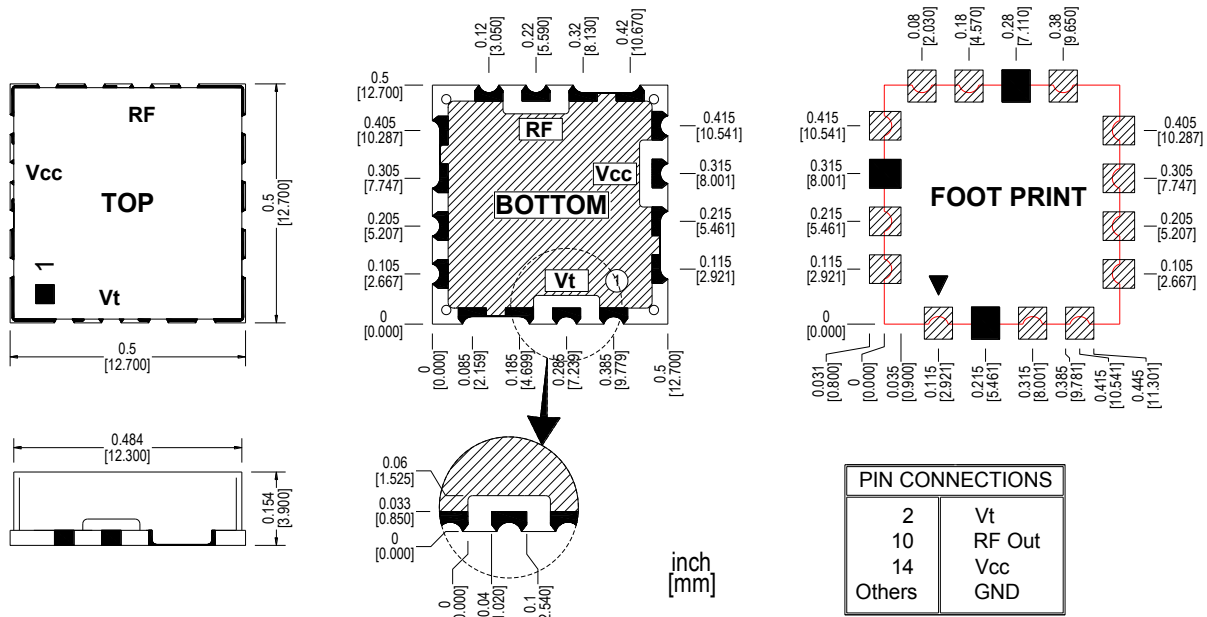
Frequency Range:800-1600MHz  
 Supply Voltage:5.0V  
 Current: 50mA Max.  
 Output power: +6.0dBm Typ.  
 Tuning Voltage: 0-18V  
 Phase noise: -93dBc/Hz@10KHz  
 Operating temperature: -40°C--+80°C  
 Size:12.7x12.7x3.9mm

**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	800		1600
Power Supply (Vcc)	Voltage		+5.0	
	Current		35	50
Output Power	dBm	+3.0	+6.0	
Output Impedance	$\Omega$		50	
Phase Noise @10KHz offset	dBc / Hz		-93	
Phase Noise @100KHz offset	dBc / Hz		-115	
Tuning Voltage (Vt)	V	0		+18
Tuning Voltage Sensitivity (Kv)	MHz / V		75-90	
2nd Harmonic Suppression	dBc			-7
Pushing Figure (5 ± 0.25V)	MHz / V			20
Pulling Figure (12dB RL)	MHz			35
Input Capacitance	pF		47	
Operating Temperature Range	°C	-40		+80