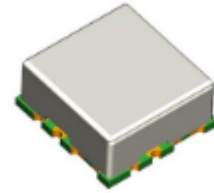




**Features and Benefits**

Frequency Range:1800-3200MHz  
 Supply Voltage:5V  
 Current: 70mA Max.  
 Output power: +4dBm Typ.  
 Tuning Voltage: 0-13V  
 Phase noise: -68dBc/Hz@10KHz  
 Operating temperature: -40°C--+85°C  
 Size:12.7x12.7x3.9mm  
 Package type: SMD

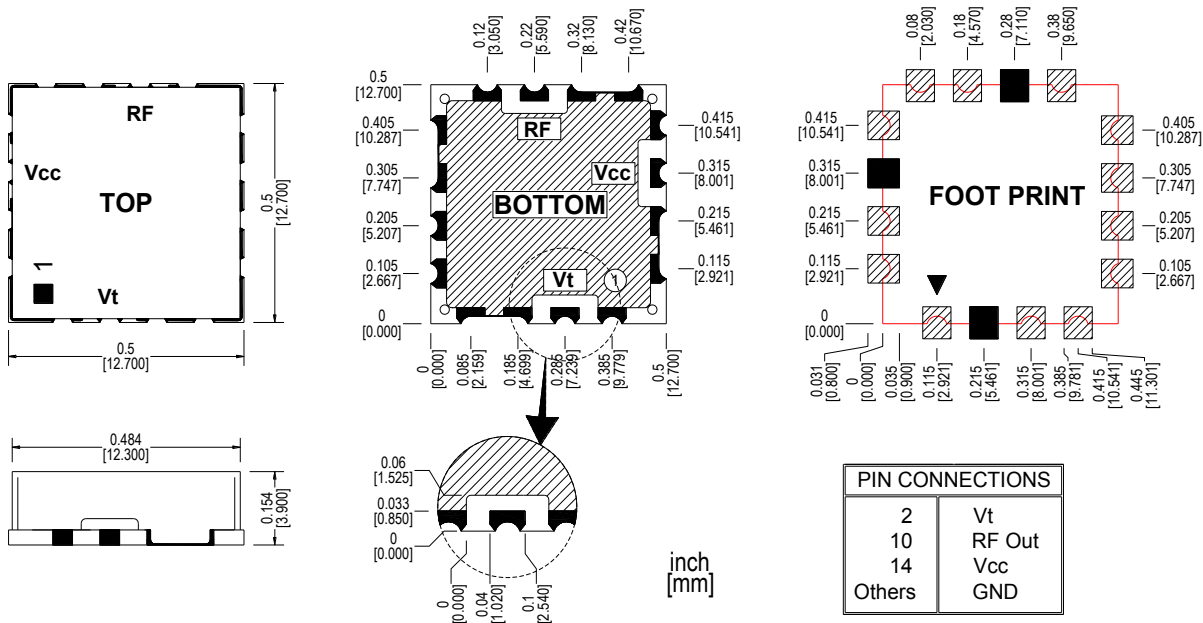


**Typical Applications**

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

**Mechanical Drawing & Pin Connections**

**Drawing No:** MD140084-2





## Specifications

Parameter	Units	Min.	Typical	Max.
Operating Frequency Range	MHz	1800		3200
Power Supply (Vcc)	Voltage		+5	
	Current	mA		70
Output Power	dBm	+1	+4	+7
Output Impedance	$\Omega$		50	
Phase Noise @10kHz offset	dBc / Hz		-68	
Phase Noise @100kHz offset	dBc / Hz		-100	
Tuning Voltage (Vt)	V	0		13
Tuning Voltage Sensitivity (Kv)	MHz / V		150-450	
2 <sup>nd</sup> Harmonic Suppression	dBc		-8	
Pushing Figure	MHz / V		10	
Pulling Figure	MHz		20	
Input Capacitance	pF		100	
Operating Temperature Range	$^{\circ}\text{C}$	-40		+85