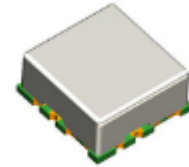




### Features and Benefits

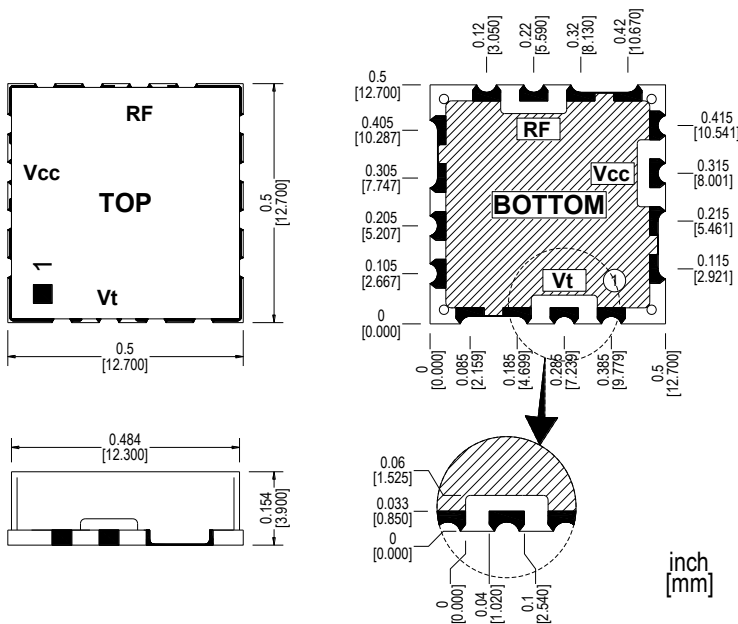
Frequency Range: 532-595MHz  
 Supply Voltage: 5V  
 Current: 25mA Max.  
 Output power: +3dBm Typ.  
 Tuning Voltage: 0-10V  
 Phase noise: -108dBc/Hz@10KHz  
 Operating temperature: -40°C--+85°C  
 Size: 12.7x12.7x3.9mm  
 Package type: SMD



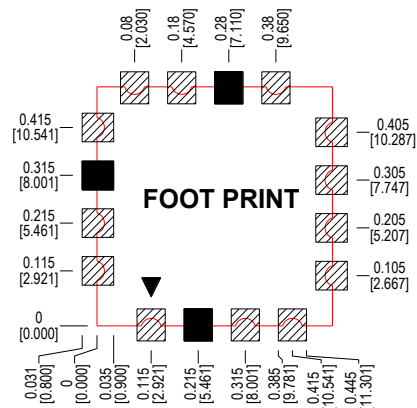
### Typical Applications

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

### Mechanical Drawing & Pin Connections



Drawing No: MD140084(-



PIN CONNECTIONS	
2	Vt
10	RF Out
14	Vcc
Others	GND



### Specifications

Parameter	Units	Min.	Typical	Max.
Operating Frequency Range	MHz	532		595
Power Supply (Vcc)	Voltage		+5	
	Current			25
Output Power	dBm	+0.5	+3	+5.5
Output Impedance	Ω		50	
Phase Noise @10kHz offset	dBc / Hz		-108	
Phase Noise @100kHz offset	dBc / Hz		-125	
Tuning Voltage (Vt)	V	0		10
Tuning Voltage Sensitivity (Kv)	MHz / V		11-15	
2 <sup>nd</sup> Harmonic Suppression	dBc			-10
Pushing Figure	MHz / V			2
Pulling Figure	MHz			4
Input Capacitance	pF		100	
Operating Temperature Range	°C	-40		+85