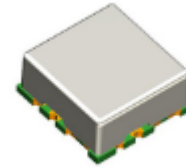




**Features and Benefits**

Frequency Range:1800-1900MHz  
 Supply Voltage:5V  
 Current: 21mA Typ.  
 Output power: +7dBm Typ.  
 Tuning Voltage: 0-4.5V  
 Phase noise: -109dBc/Hz@10KHz  
 Operating temperature: -40°C--+85°C  
 Size:12.7x12.7x3.9mm  
 Package type: SMD

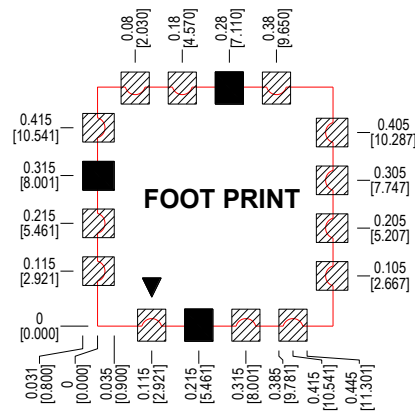
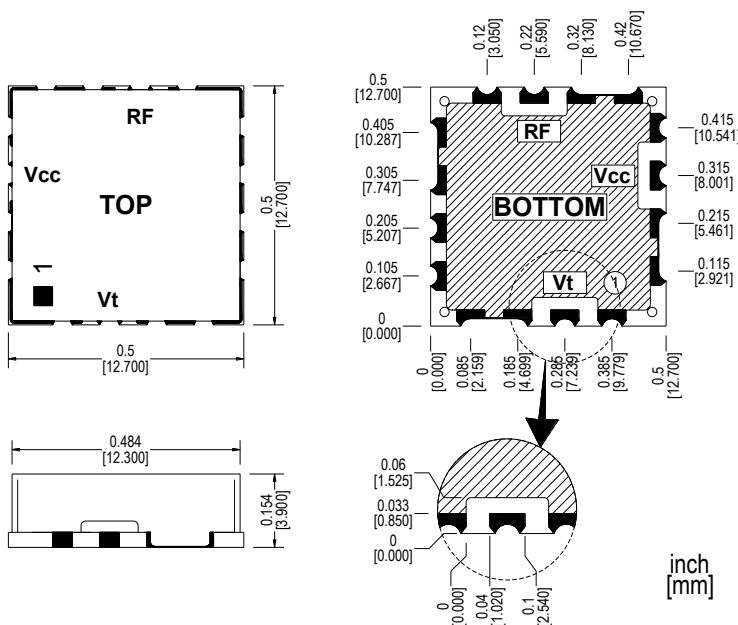


**Typical Applications**

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

**Mechanical Drawing & Pin Connections**

**Drawing No: MD140084-2**



PIN CONNECTIONS	
2	Vt
10	RF Out
14	Vcc
Others	GND



### Specifications

Parameter		Units	Min.	Typical	Max.
Operating Frequency Range		MHz	1800		1900
Power Supply (Vcc)	Voltage	Vdc		+5	
	Current	mA		21	
Output Power		dBm		+7	
Output Impedance		Ω		50	
Phase Noise @10kHz offset		dBc / Hz		-109	
Phase Noise @100kHz offset		dBc / Hz		-129	
Tuning Voltage (Vt)		V	0		4.5
Tuning Voltage Sensitivity (Kv)		MHz / V		36	
2 <sup>nd</sup> Harmonic Suppression		dBc		-20	
Pushing Figure		MHz / V		0.3	
Pulling Figure		MHz		0.6	
Input Capacitance		pF		47	
Operating Temperature Range		°C	-40		+85