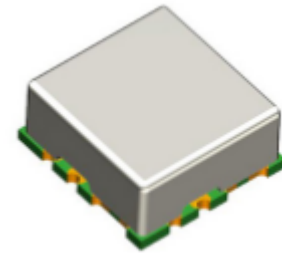




**Features and Benefits**

- Frequency Range:2033-2286MHz
- Supply Voltage:5V
- Current: 25mA Typ.
- Output power: 0dBm Typ.
- Tuning Voltage: 1-22V
- Phase noise: -104dBc/Hz@10KHz
- Operating temperature: -40°C--+85°C
- Size:12.7x12.7x3.9mm
- Package type: SMD

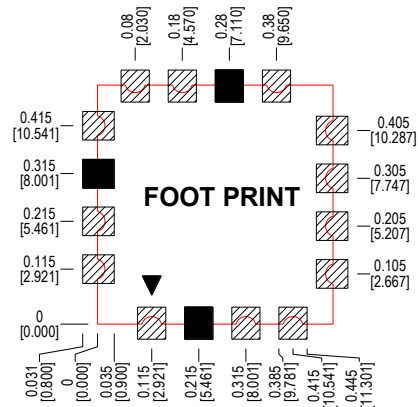
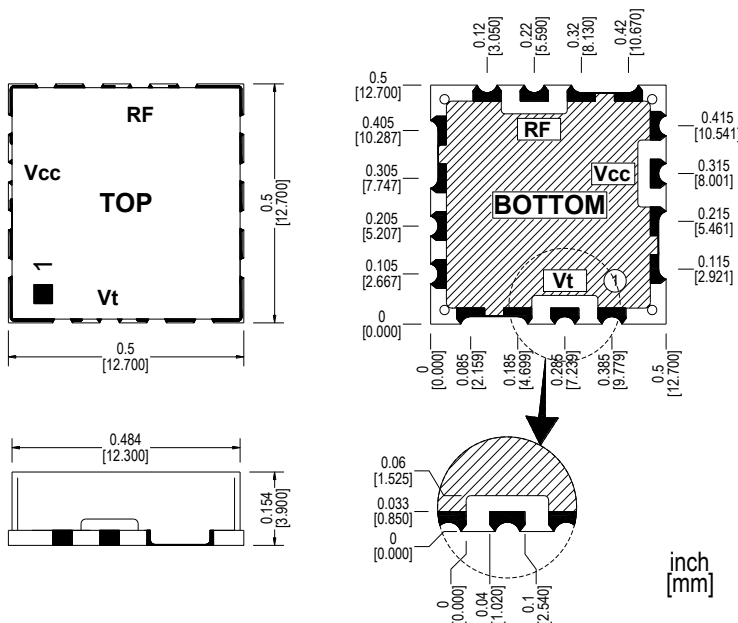


**Typical Applications**

- 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	2033		2286
Power Supply (Vcc)	Voltage	Vdc		+5	
	Current	mA		25	
Output Power		dBm		0	
Output Impedance		$\Omega$		50	
Phase Noise @10kHz offset		dBc / Hz		-104	
Phase Noise @100kHz offset		dBc / Hz		-124	
Tuning Voltage (Vt)		V	1		22
Tuning Voltage Sensitivity (Kv)		MHz / V		25	
2 <sup>nd</sup> Harmonic Suppression		dBc		-20	
Pushing Figure		MHz / V		1.5	
Pulling Figure		MHz		3	
Input Capacitance		pF		47	
Operating Temperature Range		$^{\circ}\text{C}$	-40		+85