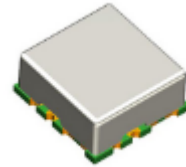




**Features and Benefits**

- Frequency Range:1800MHz
- Supply Voltage:6V
- Current: 27mA Typ.
- Output power: +6dBm Typ.
- Tuning Voltage: 0.5-4.5V
- Phase noise: -124dBc/Hz@10KHz
- Operating temperature: -40°C--+85°C
- Size:12.7x12.7x3.9mm
- Package type: SMD

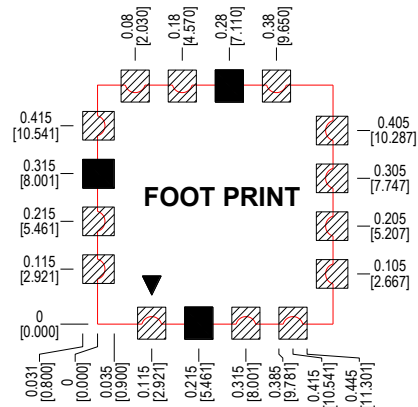
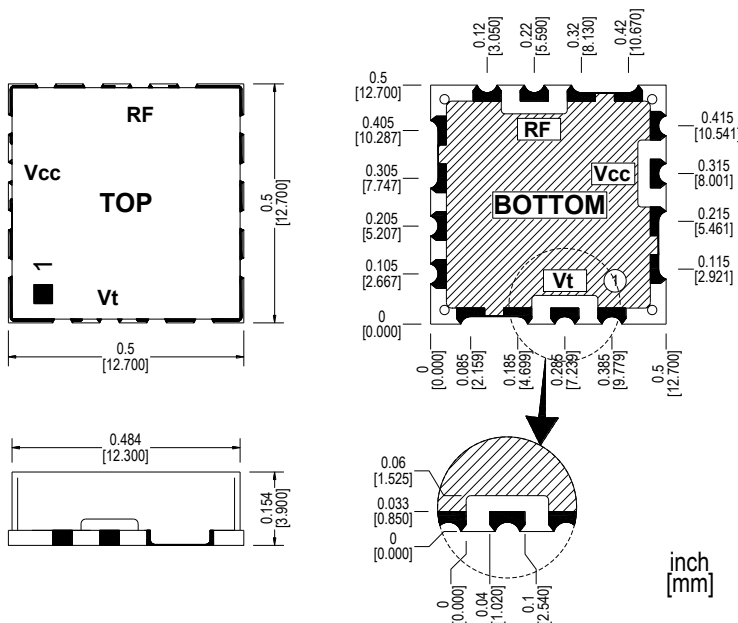


**Typical Applications**

- 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	
Power Supply (Vcc)	Voltage	Vdc		+6	
	Current	mA		27	
Output Power		dBm		+6	
Output Impedance		Ω		50	
Phase Noise @10kHz offset		dBc / Hz		-124	
Phase Noise @100kHz offset		dBc / Hz		-144	
Tuning Voltage (Vt)		V	0.5		4.5
Tuning Voltage Sensitivity (Kv)		MHz / V		7	
2 <sup>nd</sup> Harmonic Suppression		dBc		-15	
Pushing Figure		MHz / V		0.1	
Pulling Figure		MHz		0.3	
Input Capacitance		pF		47	
Operating Temperature Range		°C	-40		+85