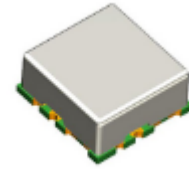




Features and Benefits

- Frequency Range: 1570-1630MHz
- Supply Voltage: 5V
- Current: 25mA Typ.
- Output power: +7dBm Typ.
- Tuning Voltage: 0.5-4.5V
- Phase noise: -115dBc/Hz@10KHz
- Operating temperature: -40°C--+85°C
- Size: 12.7x12.7x3.9mm
- Package type: SMD

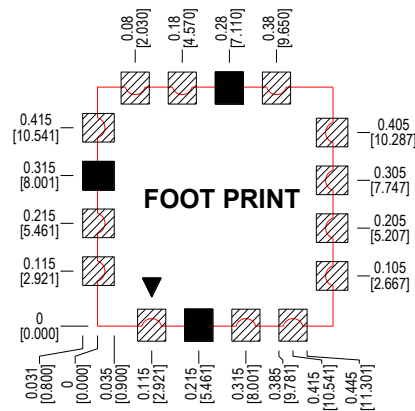
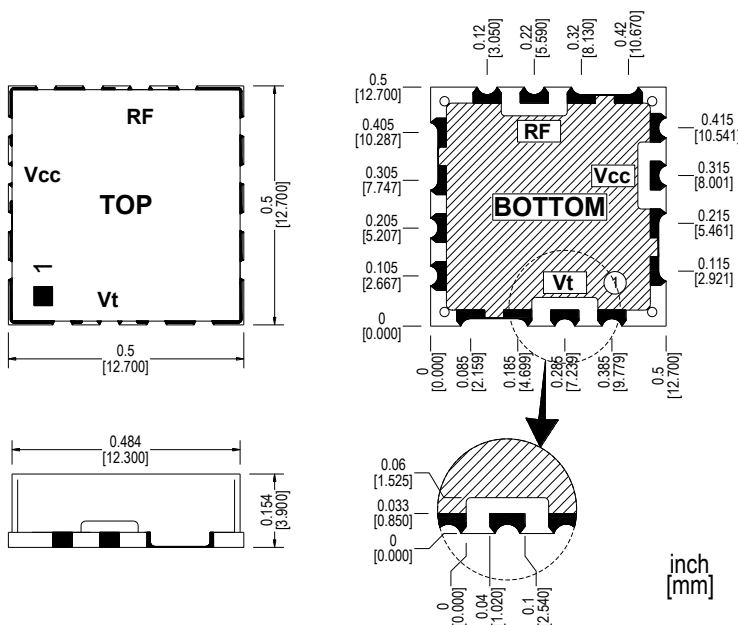


Typical Applications

- 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	1570		1630
Power Supply (Vcc)	Voltage		+5	
	Current		25	
Output Power	dBm		+7	
Output Impedance	Ω		50	
Phase Noise @10kHz offset	dBc / Hz		-115	
Phase Noise @100kHz offset	dBc / Hz		-135	
Tuning Voltage (Vt)	V	0.5		4.5
Tuning Voltage Sensitivity (Kv)	MHz / V		20	
2 nd Harmonic Suppression	dBc		-15	
Pushing Figure	MHz / V		0.2	
Pulling Figure	MHz		1	
Input Capacitance	pF		47	
Operating Temperature Range	°C	-40		+85