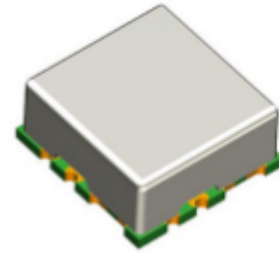




Features and Benefits

Frequency Range:1900-4100MHz
 Supply Voltage:5V
 Current: 55mA Typ.
 Output power: +5dBm Typ.
 Tuning Voltage: 0.5-18V
 Phase noise: -90dBc/Hz@10KHz
 Operating temperature: -20°C--+70°C
 Size:12.7x12.7x3.9mm
 Package type: SMD

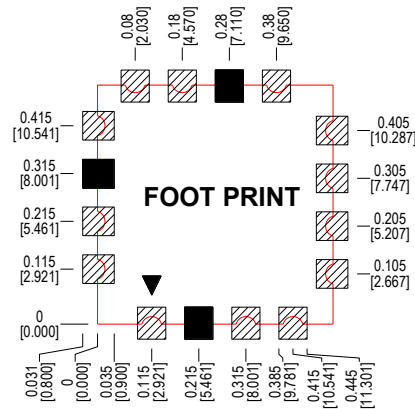
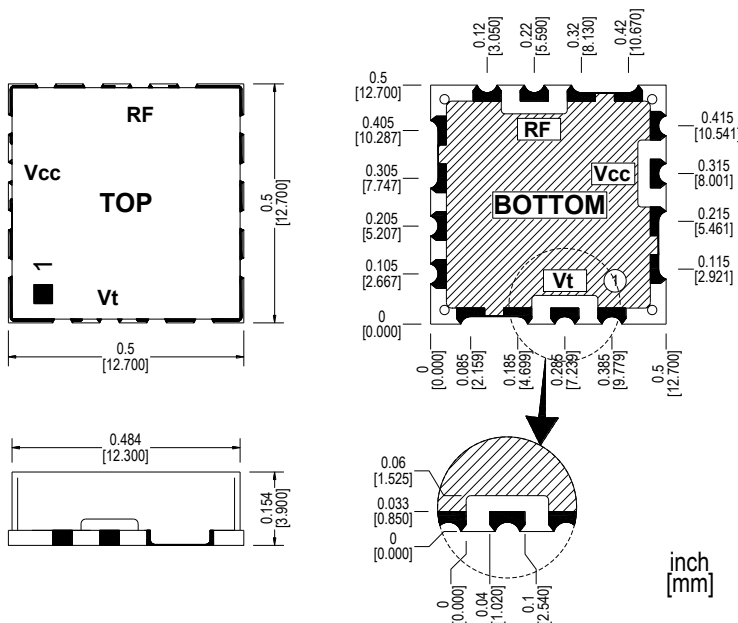


Typical Applications

- 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	1900		4100
Power Supply (Vcc)	Voltage	Vdc		+5	
	Current	mA		55	
Output Power		dBm		+5	
Output Impedance		Ω		50	
Phase Noise @10kHz offset		dBc / Hz		-90	
Phase Noise @100kHz offset		dBc / Hz		-111	
Tuning Voltage (Vt)		V	0.5		18
Tuning Voltage Sensitivity (Kv)		MHz / V		75-250	
2 nd Harmonic Suppression		dBc		-19	
Pushing Figure		MHz / V		3.5	
Pulling Figure		MHz		3	
Input Capacitance		pF		100	
Operating Temperature Range		$^{\circ}$ C	-20		+70