



## Features and Benefits

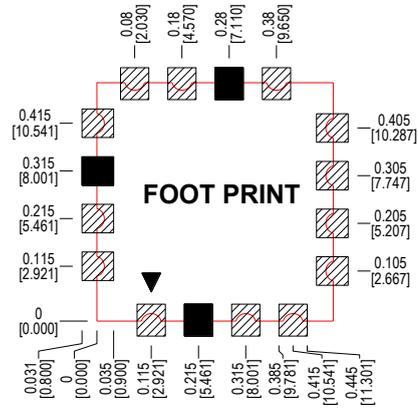
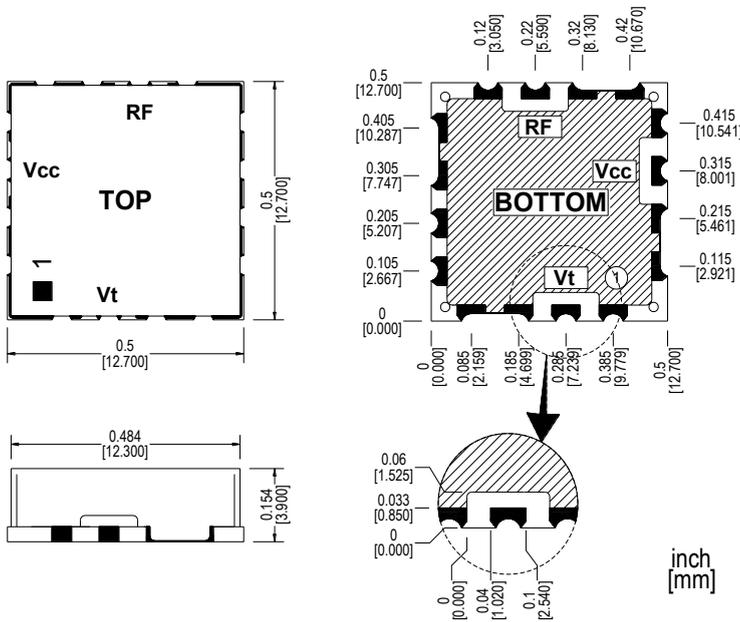
- Ultra-low noise
- Linear tuning characteristics
- Low pushing / Low pulling

## 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	2400		2600
Power Supply (Vcc)	Voltage	Vdc		8	
	Current	mA		28	
Output Power		dBm	+4		+10
Output Impedance		Ω		50	
Phase Noise @10kHz offset		dBc / Hz		-103	
Phase Noise @100kHz offset		dBc / Hz		-123	
Tuning Voltage (Vt)		V	+1.5		+12
Tuning Voltage Sensitivity (Kv)		MHz / V		30	
2nd Harmonic Suppression		dBc		-15	
Pushing Figure		MHz / V		2	
Pulling Figure		MHz		4	
Input Capacitance		pF		27	
Operating Temperature Range		°C	-40		+85