



**Features and Benefits**

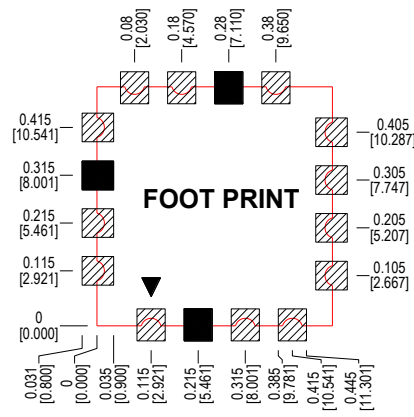
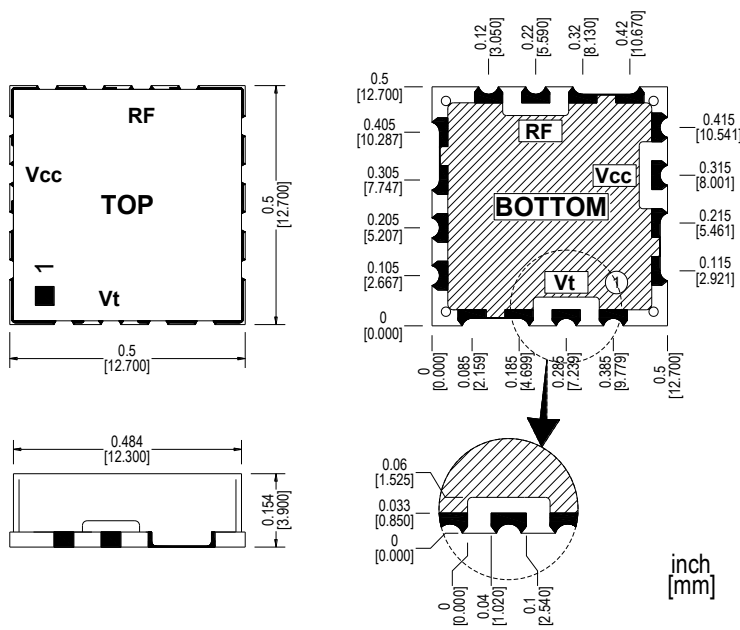
Frequency Range:5000-5500MHz  
 Supply Voltage:5.0V  
 Current: 30mA Max.  
 Output power: +4.0dBm Max.  
 Tuning Voltage: 0-10V  
 Phase noise: -76dBc/Hz@10KHz  
 Operating temperature: -40°C--+85°C  
 Size:12.7x12.7x3.9mm

**Typical Applications**

- SATCOM
- Receiver
- Test Equipment
- Radar
- Point –to-Point
- Radio
- MMDS
- WiMax

**Mechanical Drawing & Pin Connections**

Drawing No: M8% \$\$, (!&



PIN CONNECTIONS	
2	Vt
10	RF Out
14	Vcc
Others	GND

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### Specifications

Parameter	Units	Min.	Typical	Max.
Operating Frequency Range	MHz	5000		5500
Power Supply (Vcc)	Voltage		+5.0	
	Current			30
Output Power	dBm	-2.0	+1.0	+4.0
Output Impedance	Ω		50	
Phase Noise @10kHz offset	dBc / Hz		-76	
Tuning Voltage (Vt)	V	0		+10
Tuning Voltage Sensitivity (Kv)	MHz / V		80	
2nd Harmonic Suppression	dBc			-10
Pushing Figure	MHz / V			20
Pulling Figure(20dB RL)	MHz			10
Input Capacitance	pF		47	
Operating Temperature Range	°C	-40		+85