



**Features and Benefits**

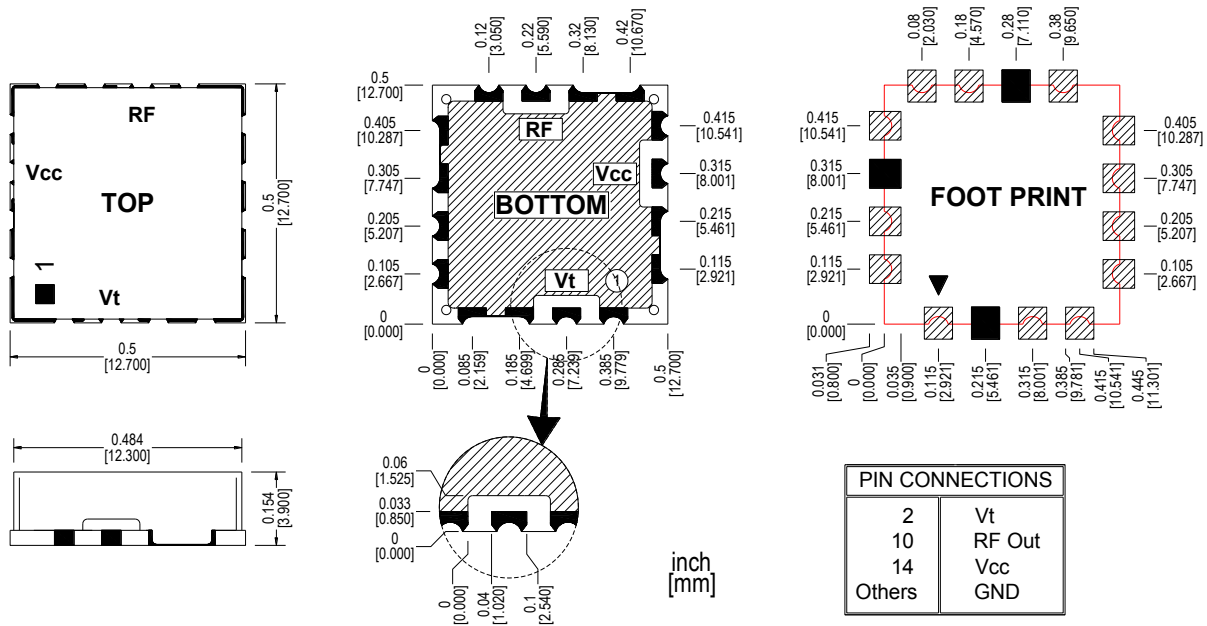
Frequency Range:1700-2150MHz  
 Supply Voltage:5.0V  
 Current: 35mA Max.  
 Output power: +6.0dBm Typ.  
 Tuning Voltage: 0-16V  
 Phase noise: -88dBc/Hz@10KHz  
 Operating temperature: -40°C--+85°C  
 Size:12.7x12.7x3.9mm

**Typical Applications**

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

**Mechanical Drawing & Pin Connections**

**Drawing No: MD140084-2**





### Specifications

Parameter	Units	Min.	Typical	Max.
Operating Frequency Range	MHz	1700		2150
Power Supply (Vcc)	Voltage		5.0	
	Current			35
Output Power	dBm	+3.0	+6.0	+9.0
Output Impedance	$\Omega$		50	
Phase Noise @10kHz offset	dBc / Hz		-88	-82
Phase Noise @100kHz offset	dBc / Hz		-110	-103
Tuning Voltage (Vt)	V	0		+16
Tuning Voltage Sensitivity (Kv)	MHz / V		22-80	
2nd Harmonic Suppression	dBc			-7
Pushing Figure	MHz / V		5	
Pulling Figure	MHz		15	
Input Capacitance	pF		47	
Operating Temperature Range	$^{\circ}\text{C}$	-40		+85