



Features and Benefits

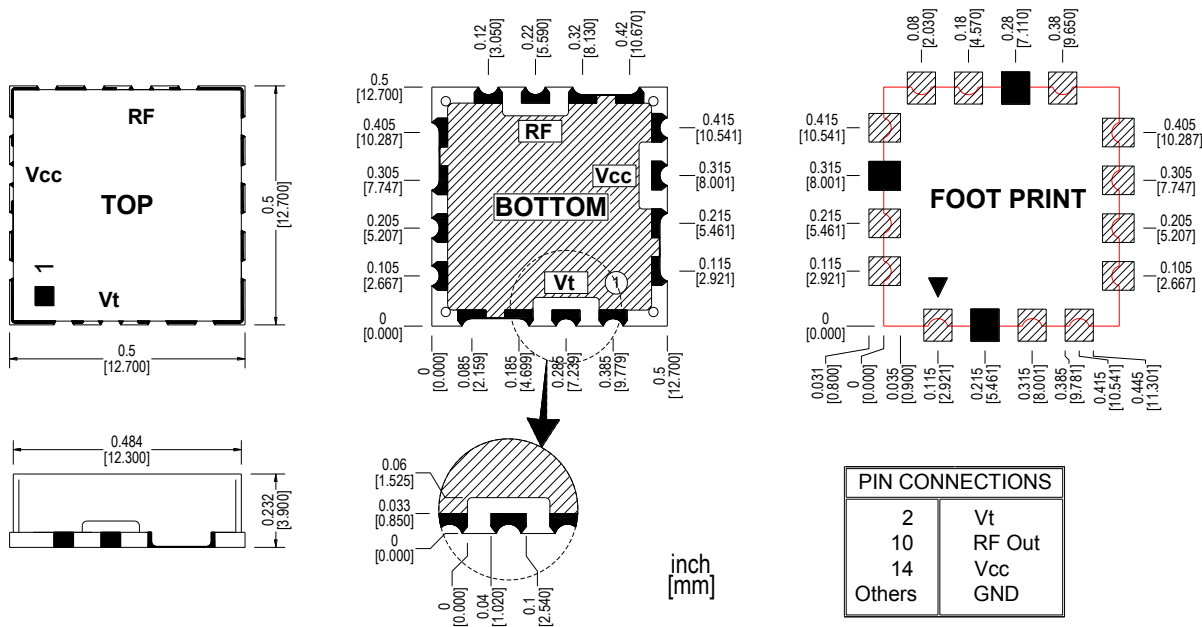
Frequency Range:1390-1410MHz
 Supply Voltage:5.0V
 Current: 30mA Max.
 Output power: 0dBm Typ.
 Tuning Voltage: 0.5-4.5V
 Phase noise: -108dBc/Hz@10KHz
 Operating temperature: -40°C--+85°C
 Size:12.7x12.7x5.9mm

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	1390		1410
Power Supply (Vcc)	Voltage	Vdc		+5.0	
	Current	mA			30
Output Power		dBm	-2.0	0	
Output Impedance		Ω		50	
Phase Noise @10kHz offset		dBc / Hz		-108	
Phase Noise @100kHz offset		dBc / Hz		-125	
Tuning Voltage (Vt)		V	+0.5		+4.5
Tuning Voltage Sensitivity (Kv)		MHz / V		15-20	
2nd Harmonic Suppression		dBc			-10
Pushing Figure		MHz / V			1
Pulling Figure(14dB RL, all phases)		MHz			1
Input Capacitance		pF		68	
Operating Temperature Range		°C	-40		+85