



Features and Benefits

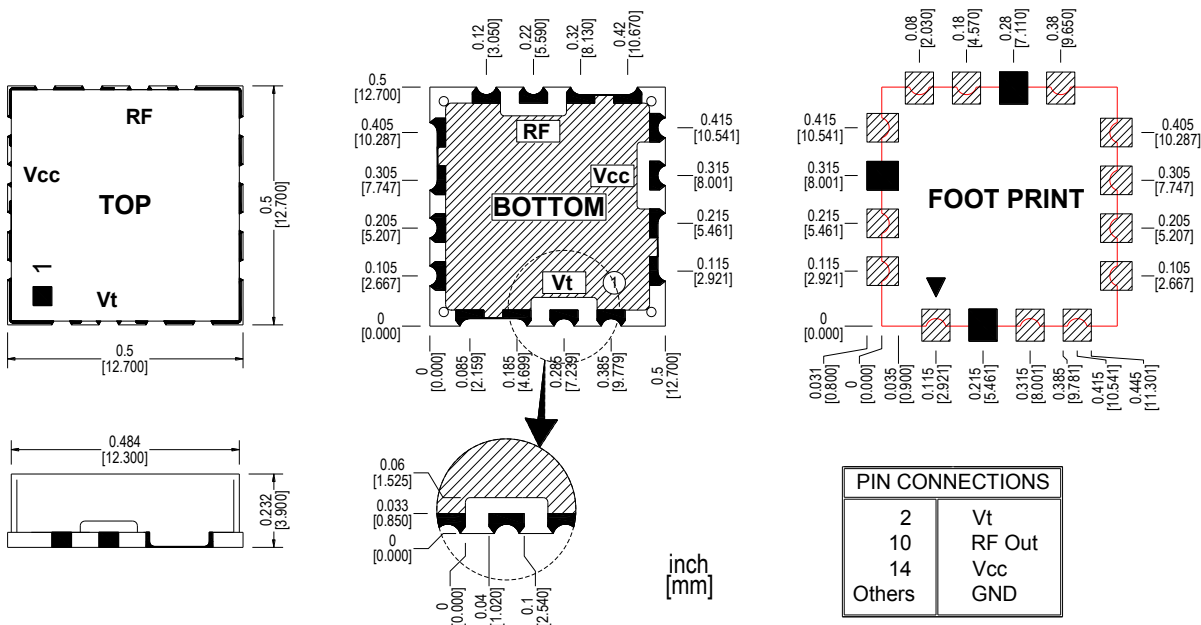
Frequency Range:1085-1320MHz
 Supply Voltage:5.0V
 Current: 30mA Max.
 Output power: +7.5dBm Max.
 Tuning Voltage: 0.5-4.5V
 Phase noise: -88dBc/Hz@10KHz
 Operating temperature: -40°C--+85°C
 Size:12.7x12.7x3.9mm

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	1085		1320
Power Supply (Vcc)	Voltage	+4.75	+5.0	+5.25
	Current			30
Output Power	dBm	+2.5	+5.0	+7.5
Output Impedance	Ω		50	
Phase Noise @10kHz offset	dBc / Hz		-88	-83
Phase Noise @100kHz offset	dBc / Hz		-111	-106
Tuning Voltage (Vt)	V	0.5		4.5
Tuning Voltage Sensitivity (Kv)	MHz / V		65-85	
2nd Harmonic Suppression	dBc			-10
Pushing Figure	MHz		5	10
Pulling Figure (14dB RL)	MHz		5	10
Input Capacitance	pF		27	
Operating Temperature Range	$^{\circ}\text{C}$	-40		+85