



Features and Benefits

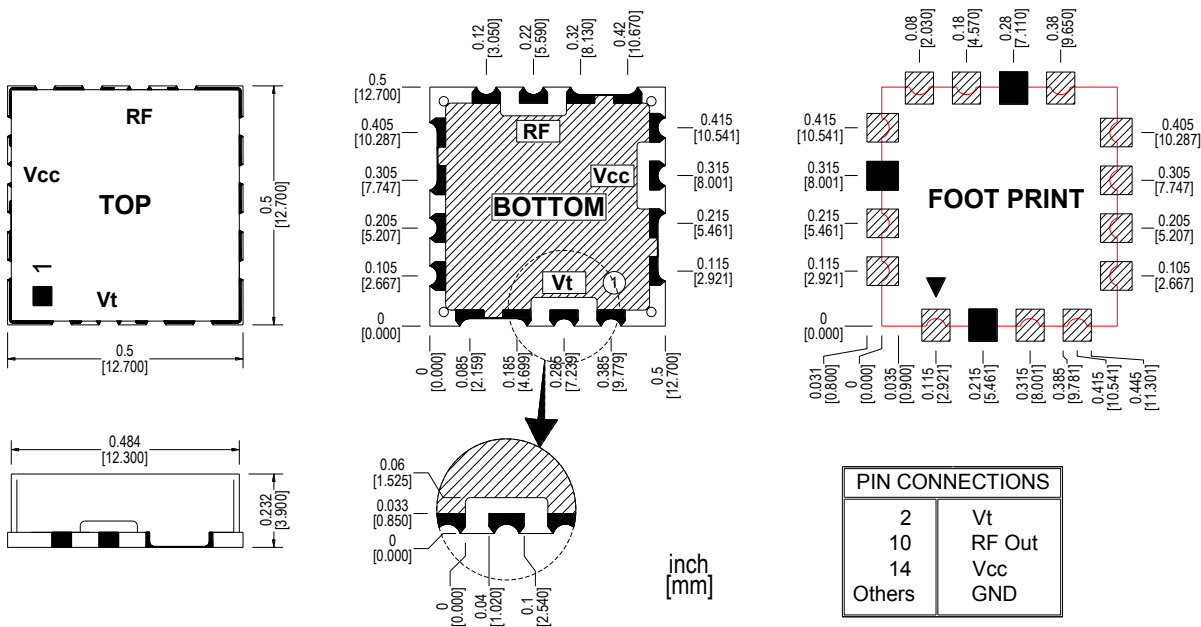
Frequency Range:120-130MHz
 Supply Voltage:5.0V
 Current: 20mA Max.
 Output power: +7.5dBm Max.
 Tuning Voltage: 1.0-4.0V
 Phase noise: -103dBc/Hz@10KHz
 Operating temperature: -40°C--+85°C
 Size:12.7x12.7x3.9mm

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	120		130
Power Supply (Vcc)	Voltage	+4.75	+5.0	+5.25
	Current			20
Output Power	dBm	+2.5	+5.0	+7.5
Output Impedance	Ω		50	
Phase Noise @10kHz offset	dBc / Hz		-103	-97
Phase Noise @100kHz offset	dBc / Hz		-123	-118
Tuning Voltage (Vt)	V	1.0		4.0
Tuning Voltage Sensitivity (Kv)	MHz / V		6-10	
2nd Harmonic Suppression	dBc			-7
Pushing Figure	MHz		1	2
Pulling Figure(14dB RL)	MHz		1	2
Input Capacitance	pF		68	
Operating Temperature Range	$^{\circ}\text{C}$	-40		+85