



Features and Benefits

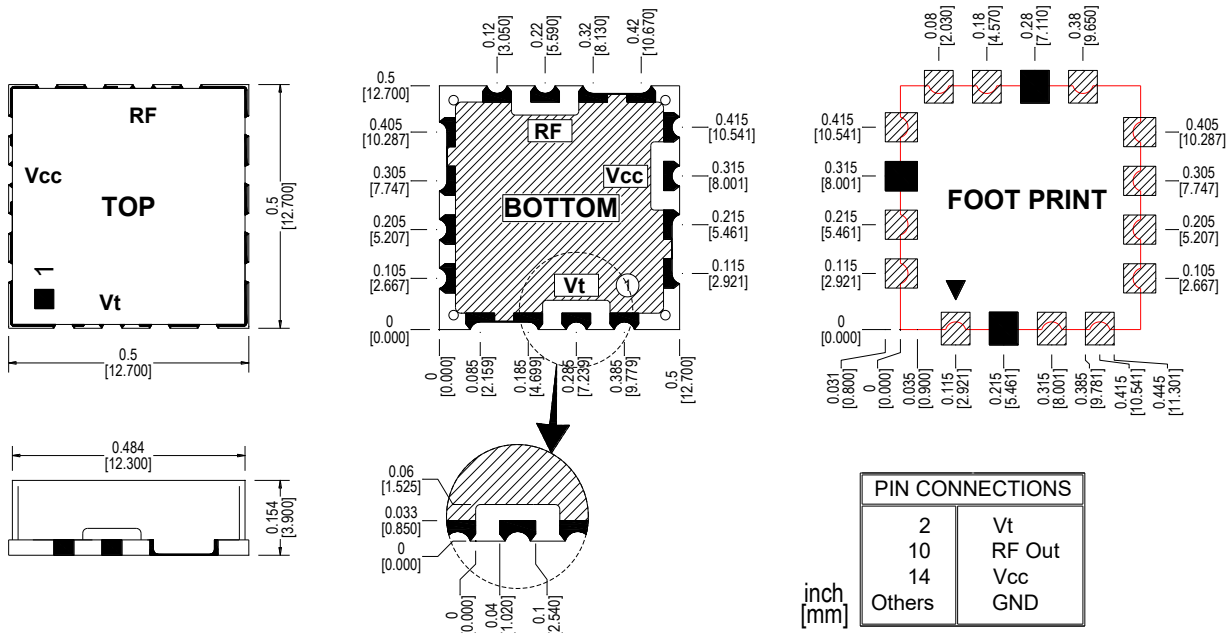
Frequency range: 900MHz to 1100MHz
 Supply voltage: 5.0V
 Steady current: 30mA Max
 Output power: +7.5dBm Max.
 Tuning voltage: 0.5V to 11V
 Phase noise: -105dBc/Hz@10KHz
 Operating temperature: -40°C to +85°C
 Size: 12.7x12.7x3.9mm

Typical Applications

SATCOM
 Receiver
 Radio
 MMDS
 Radar
 Test Equipment
 WiMax

Mechanical Drawing & Pin Connections

Drawing No: MD140084-2





Specifications

Parameter	Units	Min.	Typical	Max.
Operating Frequency Range	MHz	900		1100
Power Supply (Vcc)	Voltage		5.0	
	Current			30
Output Power	dBm	+2.5	+5.0	+7.5
Output Impedance	Ω		50	
Phase Noise @10kHz offset	dBc / Hz		-105	-100
Phase Noise @100kHz offset	dBc / Hz		-126	-120
Tuning Voltage (Vt)	V	+0.5		+11
Tuning Voltage Sensitivity (Kv)	MHz / V		24-32	
2nd Harmonic Suppression	dBc			-10
Pushing Figure(5±0.25V)	MHz / V		2	5
Pulling Figure (12dB Return Loss)	MHz		5	10
Input Capacitance	pF		100	
Operating Temperature Range	°C	-40		+85