



Features and Benefits

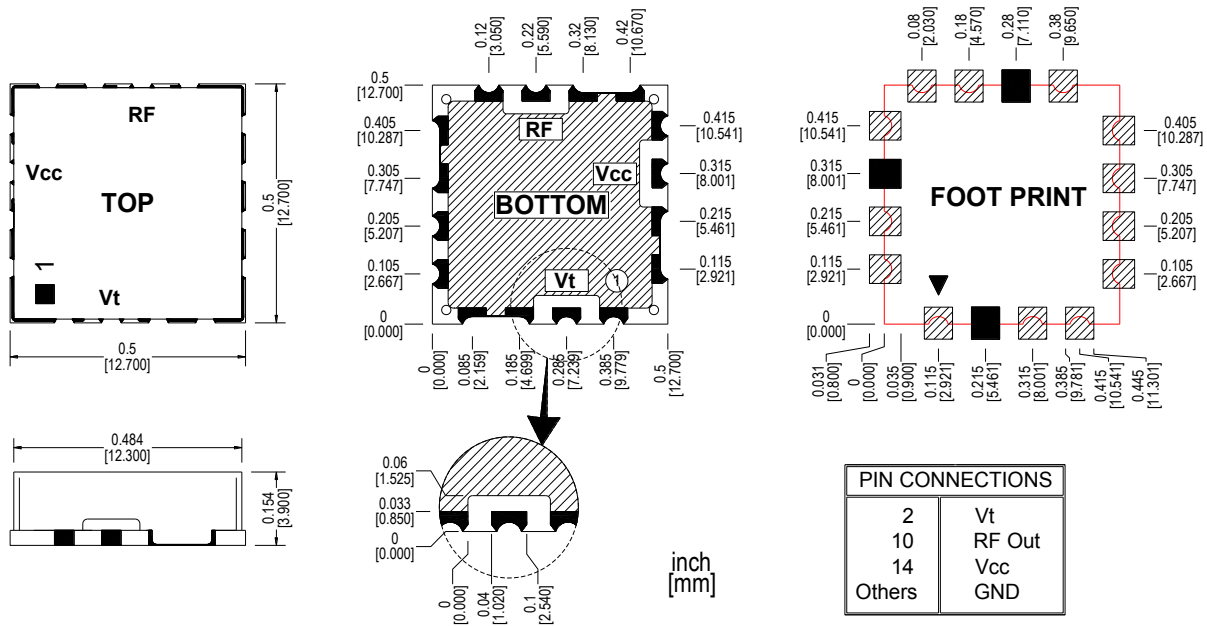
Frequency Range:1000-1500MHz
 Supply Voltage:5.0V
 Current: 35mA Max.
 Output power: +9.0dBm Max.
 Tuning Voltage: 0-20V
 Phase noise: -98dBc/Hz@100KHz
 Operating temperature: -40°C--+85°C
 Size:12.7x12.7x3.9mm

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	1000		1500
Power Supply (Vcc)	Voltage		5	
	Current			35
Output Power	dBm	+3.0	+6.0	+9.0
Output Impedance	Ω		50	
Phase Noise @10kHz offset	dBc / Hz		-98	-92
Phase Noise @100kHz offset	dBc / Hz		-118	-113
Tuning Voltage (Vt)	V	0		+20
Tuning Voltage Sensitivity (Kv)	MHz / V		25-100	
2nd Harmonic Suppression	dBc			-7
Pushing Figure	MHz / V		5	
Pulling Figure	MHz		15	
Input Capacitance	pF		100	
Operating Temperature Range	$^{\circ}\text{C}$	-40		+85