



Features and Benefits

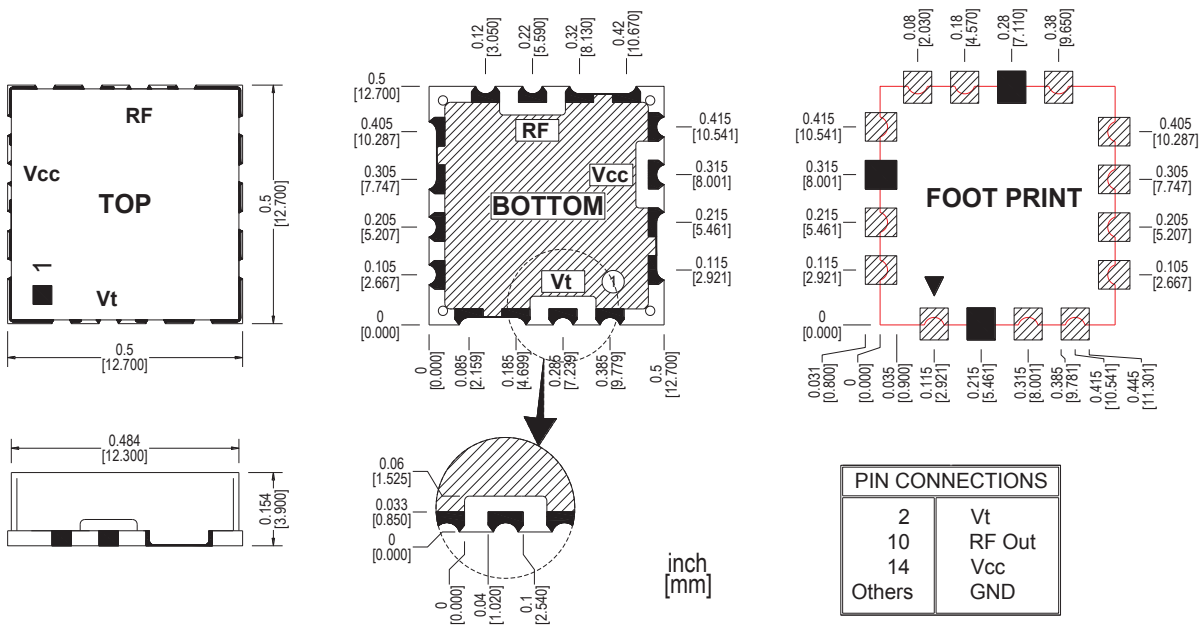
Frequency Range:1970-2770MHz
 Supply Voltage:8.0V
 Current: 40mA Max.
 Output power: +8.5dBm Max.
 Tuning Voltage: 0.5-25V
 Phase noise: -106dBc/Hz@100KHz
 Operating temperature: -40°C--+85°C
 Size:12.7x12.7x3.9mm

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	1970		2770
Power Supply (Vcc)	Voltage		8	
	Current			40
Output Power	dBm	+1.5	+5.0	+8.5
Output Impedance	Ω		50	
Phase Noise @10kHz offset	dBc / Hz		-90	
Phase Noise @100kHz offset	dBc / Hz		-106	
Tuning Voltage (Vt)	V	0.5		+25
Tuning Voltage Sensitivity (Kv)	MHz / V		36-70	
2nd Harmonic Suppression	dBc		-10	
Pushing Figure	MHz / V		5	
Pulling Figure (12dB)	MHz		15	
Input Capacitance	pF		100	
Operating Temperature Range	$^{\circ}\text{C}$	-40		+85