



Features and Benefits

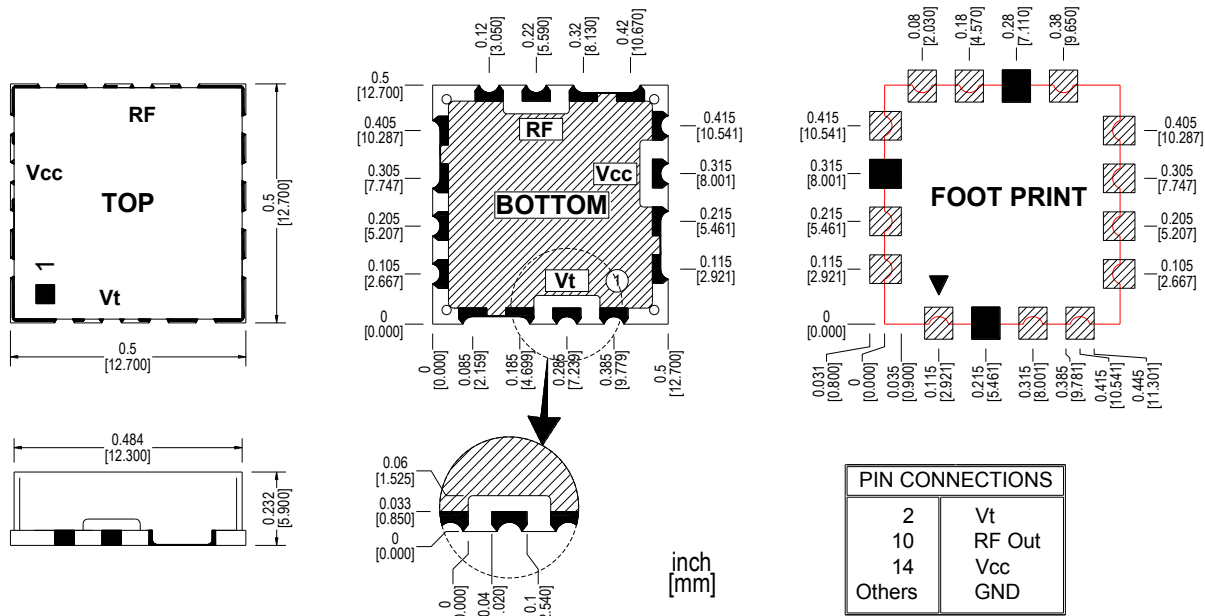
Frequency Range:1850-2050MHz
 Supply Voltage:5.0V
 Current: 30mA Typ.
 Output power: +5.0dBm Typ.
 Tuning Voltage: 1.0-14V
 Phase noise: -105dBc/Hz@10KHz
 Operating temperature: -40°C--+85°C
 Size:12.7x12.7x5.9mm

Typical Applications

- SATCOM
- Receiver
- Test Equipment
- Radar
- Point –to–Point
- Radio
- MMDS
- WiMax

Mechanical Drawing & Pin Connections

Drawing No: M8% \$\$, (!&





Specifications

Parameter	Units	Min.	Typical	Max.
Operating Frequency Range	MHz	1850		2050
Power Supply (Vcc)	Voltage	Vdc	5.0	
	Current	mA	30	
Output Power	dBm	+2.0	+5.0	
Output Impedance	Ω		50	
Phase Noise @10kHz offset	dBc / Hz		-105	
Tuning Voltage (Vt)	V	1.0		+14
Tuning Voltage Sensitivity (Kv)	MHz / V		22-25	
2nd Harmonic Suppression	dBc			-10
Pushing Figure	MHz / V			2
Pulling Figure (14dB return loss, all phases)	MHz			3
Input Capacitance	pF		47	
Operating Temperature Range	°C	-40		+85