



Features and Benefits

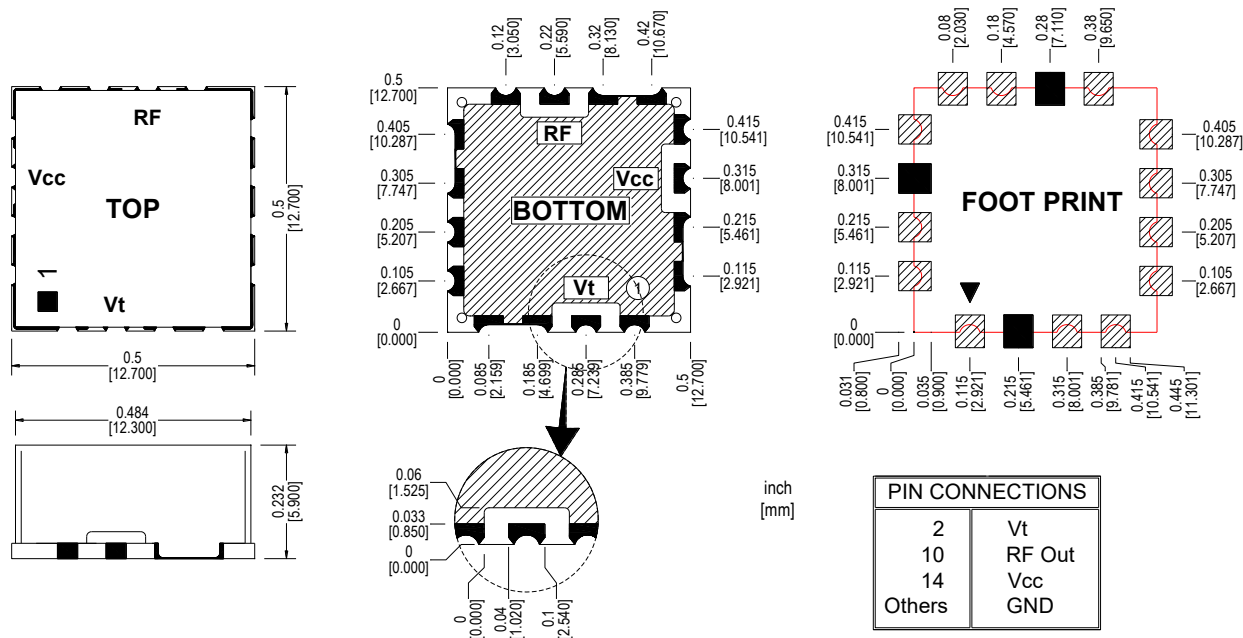
- Frequency range: 1900-2100MHz
- Supply voltage: 6.0V
- Current: 30mA Typ.
- Output power: +7dBm Typ.
- Tuning voltage: 0V to +12V
- Phase noise: -122dBc/Hz@100KHz
- Operating temperature: -40°C to +85°C
- Size: 12.7x12.7x5.9mm

Typical Applications

- SATCOM
- Receiver
- Radio
- MMDS
- Radar
- Test Equipment
- WiMax

Mechanical Drawing & Pin Connections

Drawing No: MD140084-4





Specifications

Parameter	Units	Min.	Typical	Max.
Operating Frequency Range	MHz	1900		2100
Power Supply (Vcc)	Voltage		6.0	
	Current		30	
Output Power	dBm	+4.0	+7.0	
Output Impedance	Ω		50	
Phase Noise @10kHz offset	dBc / Hz		-103	
Phase Noise @100kHz offset	dBc / Hz		-122	
Tuning Voltage (Vt)	V	0		+12
Tuning Voltage Sensitivity (Kv)	MHz / V		22-30	
2nd Harmonic Suppression	dBc			-8.0
Pushing Figure	MHz / V		2	
Pulling Figure	MHz		3	
Input Capacitance	pF		47	
Operating Temperature Range	°C	-40		+85