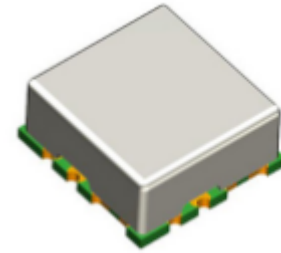




### Features and Benefits

- Frequency Range:2000-2100MHz
- Supply Voltage:5V
- Current: 27mA Typ.
- Output power: 0dBm Typ.
- Tuning Voltage: 0.5-4.5V
- Phase noise: -107dBc/Hz@10KHz
- Operating temperature: -40°C--+85°C
- Size:12.7x12.7x3.9mm
- Package type: SMD

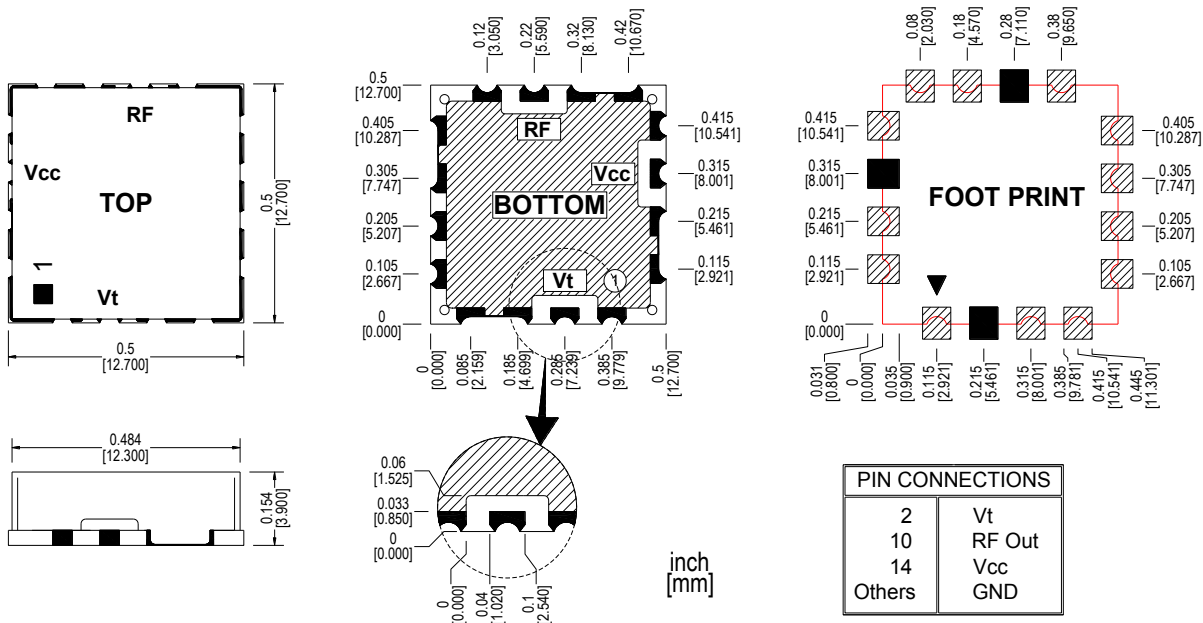


### Typical Applications

- 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	2000		2100
Power Supply (Vcc)	Voltage	Vdc		+5	
	Current	mA		27	
Output Power		dBm		0	
Output Impedance		Ω		50	
Phase Noise @10kHz offset		dBc / Hz		-107	
Phase Noise @100kHz offset		dBc / Hz		-127	
Tuning Voltage (Vt)		V	0.5		4.5
Tuning Voltage Sensitivity (Kv)		MHz / V		40	
2 <sup>nd</sup> Harmonic Suppression		dBc		-20	
Pushing Figure		MHz / V		1	
Pulling Figure		MHz		1	
Input Capacitance		pF		47	
Operating Temperature Range		°C	-40		+85