



Features and Benefits

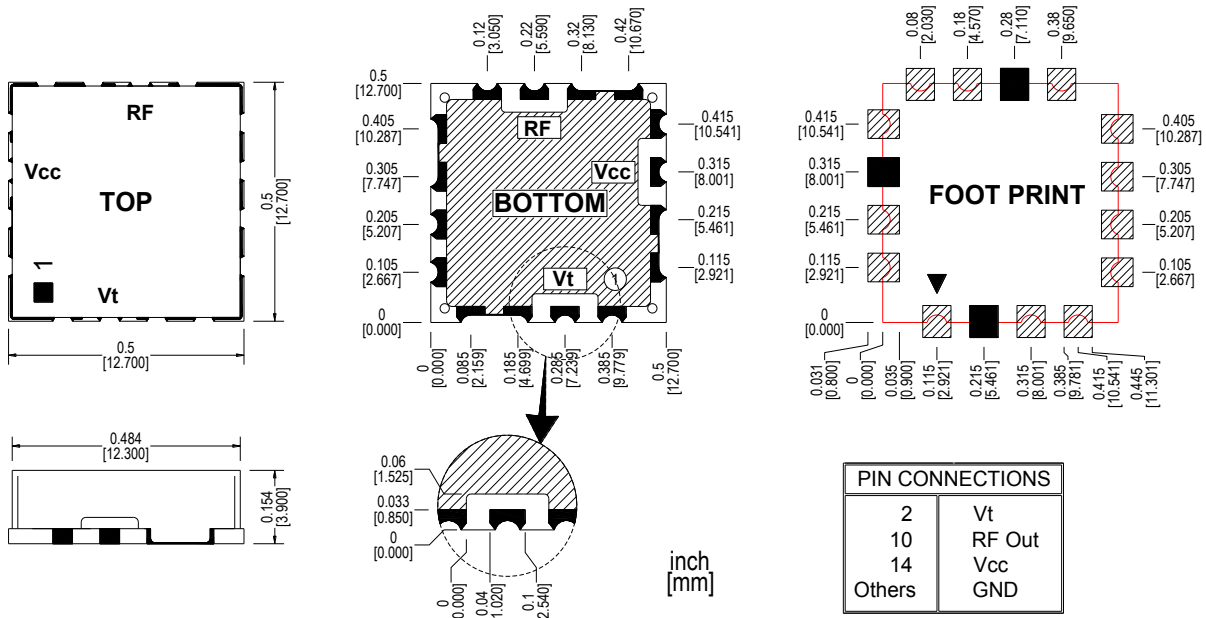
Frequency Range:4540-4860MHz
 Supply Voltage:5V
 Current: 40mA Max.
 Output power: +3dBm Max.
 Tuning Voltage: 0-6V
 Phase noise: -83dBc/Hz@10KHz
 Operating temperature: -40°C--+80°C
 Size:12.7x12.7x3.9mm
 Package type: SMD

Typical Applications

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

Mechanical Drawing & Pin Connections

Drawing No: MD140084-2



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Specifications

Parameter	Units	Min.	Typical	Max.
Operating Frequency Range	MHz	4540		4860
Power Supply (Vcc)	Voltage		+5	
	Current		28	40
Output Power	dBm	0	+3	
Output Impedance	Ω		50	
Phase Noise @10kHz offset	dBc / Hz		-83	
Phase Noise @100kHz offset	dBc / Hz		-107	
Tuning Voltage (Vt)	V	0		6
Tuning Voltage Sensitivity (Kv)	MHz / V		90-120	
2 nd ,3 rd Harmonic Suppression	dBc			-15
Pushing Figure (5±0.25V)	MHz / V			8
Pulling Figure(12dB RL)	MHz			13
Input Capacitance	pF		47	
Operating Temperature Range	°C	-40		+80