



Dynamic Engineers Inc.

2550 Gray Falls Dr., Suite#128, Houston, TX, 77077 USA
 TEL: 1-281-870-8822 EMAIL: Sales@DynamicEng.com

V7 C%&/%&6 E ! () (\$ A < n ! (, * \$ A < n ! 5
 4540-4860MHz SMD VCO

Features and Benefits

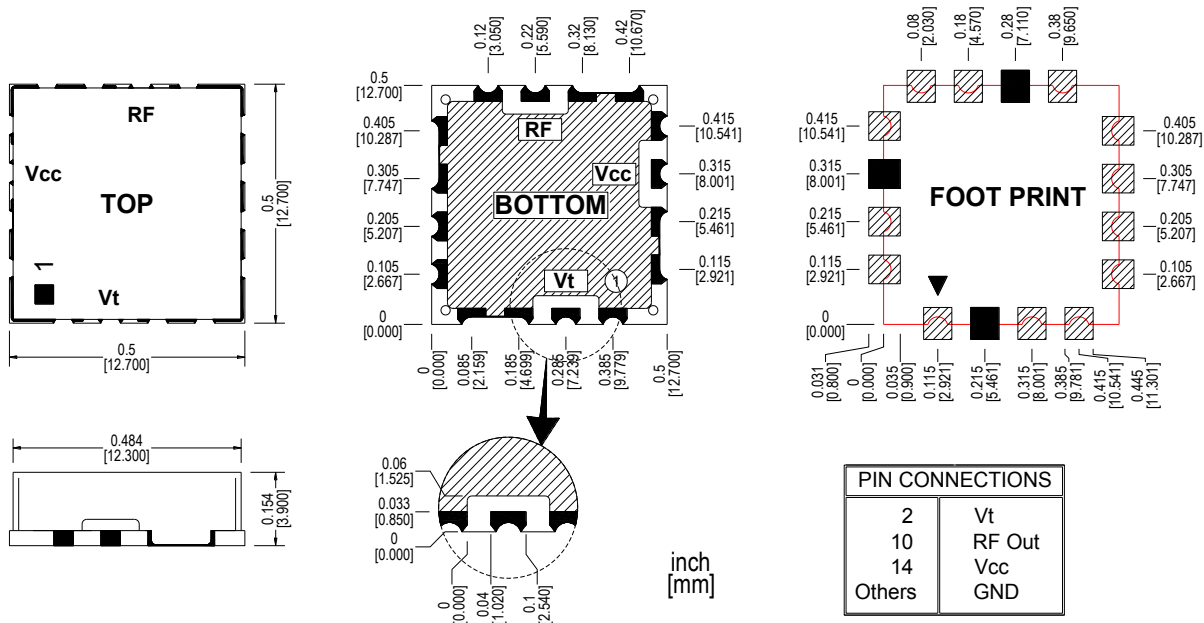
- Frequency Range: 4540-4860MHz
- Supply Voltage: 5.0V
- Current: 40mA Max.
- Output power: +3.0dBm Typ.
- Tuning Voltage: 0-8V
- Phase noise: -85dBc/Hz@10KHz
- Operating temperature: -40°C--+80°C
- Size: 12.7x12.7x3.9mm
- Package type: SMD

Typical Applications

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

Mechanical Drawing & Pin Connections

Drawing No: A8 % \$ \$, (! &





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4540-4860MHz SMD VCO



Parameter	Units	Min.	Typical	Max.
Operating Frequency Range	MHz	4540		4860
Power Supply (Vcc)	Voltage		+5.0	
	Current		28	40
Output Power	dBm	0	+3.0	
Output Impedance	Ω		50	
Phase Noise @10kHz offset	dBc / Hz		-85	
Phase Noise @100kHz offset	dBc / Hz		-110	
Tuning Voltage (Vt)	V	0		+8
Tuning Voltage Sensitivity (Kv)	MHz / V		60-80	
2 nd ,3 rd Harmonic Suppression	dBc			-15
Pushing Figure(5±0.25V)	MHz / V			10
Pulling Figure (12dB RL)	MHz			15
Input Capacitance	pF		47	
Operating Temperature Range	°C	-40		+80