



Dynamic Engineers Inc.

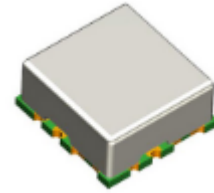
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1800-3200MHz SMD VCO_Voltage
 Controlled Oscillator

Features and Benefits

- Frequency Range: 1800-3200MHz
- Supply Voltage: 5V
- Current: 70mA Max.
- Output power: +4dBm Typ.
- Tuning Voltage: 0-20V
- Phase noise: -75dBc/Hz@10KHz
- Operating temperature: -40°C--+85°C
- Size: 12.7x12.7x3.9mm
- Package type: SMD

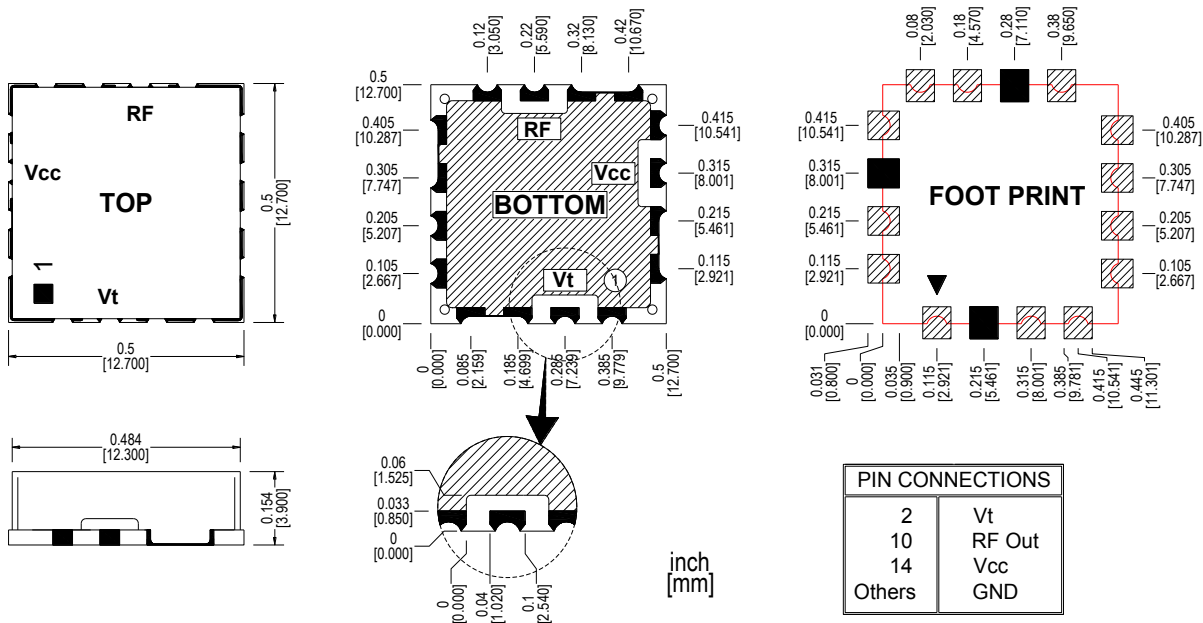


Typical Applications

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

Mechanical Drawing & Pin Connections

Drawing No: MD140084-2



PIN CONNECTIONS	
2	Vt
10	RF Out
14	Vcc
Others	GND



Specifications

Parameter		Units	Min.	Typical	Max.
Operating Frequency Range		MHz	1800		3200
Power Supply (Vcc)	Voltage	Vdc		+5	
	Current	mA			70
Output Power		dBm	+1	+4	+7
Output Impedance		Ω		50	
Phase Noise @10kHz offset		dBc / Hz		-75	
Phase Noise @100kHz offset		dBc / Hz		-105	
Tuning Voltage (Vt)		V	0		20
Tuning Voltage Sensitivity (Kv)		MHz / V		70-300	
2 nd Harmonic Suppression		dBc			-5
Pushing Figure		MHz / V		10	
Pulling Figure		MHz		20	
Input Capacitance		pF		100	
Operating Temperature Range		$^{\circ}\text{C}$	-40		+85