

Dynamic Engineers Inc.

Website: www.DynamicEngineers.com
Email: Inquiry@DynamicEngineers.com

J**7C%&%&6E!,,&A<n!-%)A<n!5** 882-915MHz SMD VCO_Voltage Controlled Oscillator

Features and Benefits

Frequency Range:882-915MHz

Supply Voltage:5V Current: 25mA Max.

Output power: +6.5dBm Max. Tuning Voltage: 0.5-4.5V

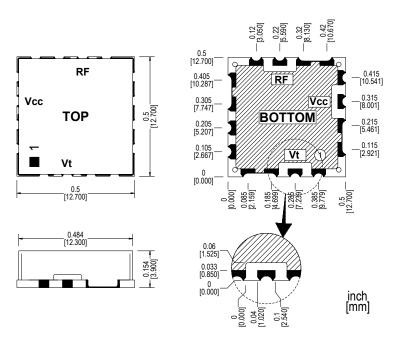
Phase noise: -106dBc/Hz@10KHz Operating temperature: -40°C--+85°C

Size:12.7x12.7x3.9mm Package type: SMD

Typical Applications

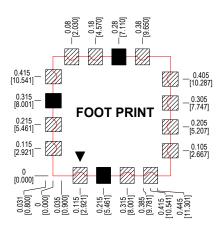
SATCOM Receiver Test Equipment Radar Point –to-Point Radio MMDS WiMax

Mechanical Drawing & Pin Connections



Drawing No:

A8% \$\$, (!&



PIN CONNECTIONS				
2	Vt			
10	RF Out			
14	Vcc			
Others	GND			



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Specifications

Parameter		Units	Min.	Typical	Max.
Operating Frequency Range		MHz	882		915
Power Supply (Vcc)	Voltage	Vdc		+5	
	Current	mA			25
Output Power		dBm	+1.5	+4	+6.5
Output Impedance		Ω		50	
Phase Noise @10kHz offset		dBc / Hz		-106	-101
Tuning Voltage (Vt)		V	0.5		+4.5
Tuning Voltage Sensitivity (Kv)		MHz / V		20-26	
2nd Harmonic Suppression		dBc			-10
Pushing Figure		MHz / V			7
Pulling Figure (14dB RL)		MHz			3
Input Capacitance		pF		47	
Operating Temperature Range		°C	-40		+85