

### Dynamic Engineers Inc.

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

#### Features and Benefits

Frequency Range:1800-3200MHz Supply Voltage:5V Current: 70mA Max. Output power: +4dBm Typ. Tuning Voltage: 0-13V Phase noise: -68dBc/Hz@10KHz Operating temperature: -40°C--+85°C Size:12.7x12.7x3.9mm Package type: SMD

VCO1212QB-1800MHz-3200MHz-A 1800-3200MHz SMD VCO Voltage **Controlled Oscillator** 



MD140084-2

0.405

0.305

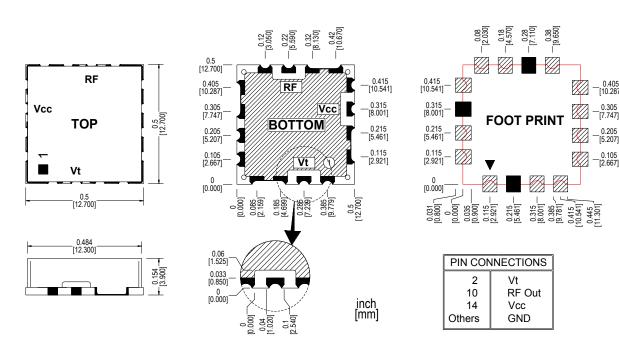
0.205

Drawing No:

### **Typical Applications**

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

### **Mechanical Drawing & Pin Connections**



Dynamic Engineers reserves the right to make changes to the company datasheet(s) along with other information contained inside; such as data tables and araphs without notification to potential customers who may have earlier revisions in their possession.



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# **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		-68	
Phase Noise @100kHz offset		dBc / Hz		-100	
Tuning Voltage (Vt)		V	0		13
Tuning Voltage Sensitivity (Kv)		MHz / V		150-450	
2 <sup>nd</sup> Harmonic Suppression		dBc		-8	
Pushing Figure		MHz / V		10	
Pulling Figure		MHz		20	
Input Capacitance		pF		100	
Operating Temperature Range		°C	-40		+85

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