

## Dynamic Engineers Inc.

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

# **VCO1212BQ-734MHz-804MHz-A** Ï H Ё €I T P: ÂJT ÖÁXÔUÁ

### **Features and Benefits**

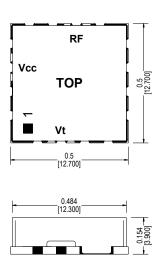
Frequency Range: 734-804MHz Supply Voltage: 5.0V Current: 25mA Max. Output power: +6.0dBm Max. Tuning Voltage: 0-5.0V Phase noise: -108dBc/Hz@10KHz Operating temperature: -40°C--+85°C Size:12.7x12.7x3.9mm

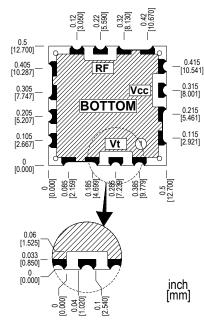
#### **Typical Applications**

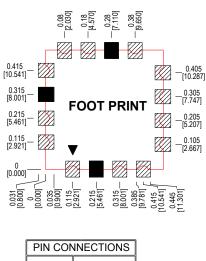
SATCOM Receiver Test Equipment Radar Point –to-Point Radio MMDS WiMax

## **Mechanical Drawing & Pin Connections**

Drawing No: MD140084-2







PIN CONNECTIONS				
2	Vt			
10	RF Out			
14	Vcc			
Others	GND			

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	734		804
Power Supply (Vcc)	Voltage	Vdc		+5.0	
	Current	mA			25
Output Power		dBm	+1.0	+3.5	+6.0
Output Impedance		Ω		50	
Phase Noise @10kHz offset		dBc / Hz		-108	-103
Tuning Voltage (Vt)		V	0		+5.0
Tuning Voltage Sensitivity (Kv)		MHz / V		24-28	
2nd Harmonic Suppression		dBc			-10
Pushing Figure		MHz / V			7
Pulling Figure (14dB RL)		MHz			3
Input Capacitance		pF		47	
Operating Temperature Range		Ĵ	-40		+85