TEL: 1-281-870-8822 EMAIL: Sales@DynamicEng.com

1085-1320MHz SMD VCO

VCO1212BQ-1085MHz-1320MHz-A

Features and Benefits

Frequency Range:1085-1320MHz

Supply Voltage:5.0V Current: 30mA Max.

Output power: +7.5dBm Max. Tuning Voltage: 0.5-4.5V

Phase noise: -88dBc/Hz@10KHz Operating temperature: -40°C--+85°C

Size:12.7x12.7x3.9mm

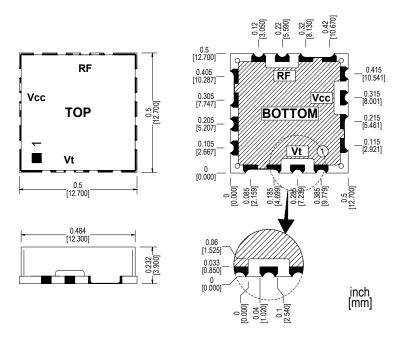
Typical Applications

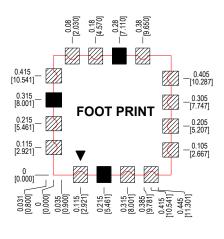
SATCOM Receiver Test Equipment Radar Point -to-Point Radio **MMDS** WiMax

Mechanical Drawing & Pin Connections

Drawing No:

MD140084-2





PIN CONNECTIONS				
2	Vt			
10	RF Out			
14	Vcc			
Others	GND			



Dynamic Engineers Inc.

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

VCO1212BQ-1085MHz-1320MHz-A 1085-1320MHz SMD VCO

Specifications

Parameter		Units	Min.	Typical	Max.
Operating Frequency Range		MHz	1085		1320
Power Supply (Vcc)	Voltage	Vdc	+4.75	+5.0	+5.25
	Current	mA			30
Output Power		dBm	+2.5	+5.0	+7.5
Output Impedance		Ω		50	
Phase Noise @10kHz offset		dBc / Hz		-88	-83
Phase Noise	@100kHz offset	dBc / Hz		-111	-106
Tuning Voltage (Vt)		V	0.5		4.5
Tuning Voltage Sensitivity (Kv)		MHz / V		65-85	
2nd Harmonic Suppression		dBc			-10
Pushing Figure		MHz		5	10
Pulling Figure (14dB RL)		MHz		5	10
Input Capacitance		pF		27	
Operating Temperature Range		°C	-40		+85