### **Features**

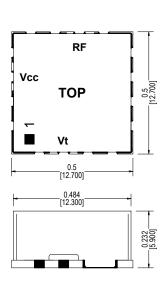
Low phase noise Linear tuning characteristics Low pushing / Low pulling

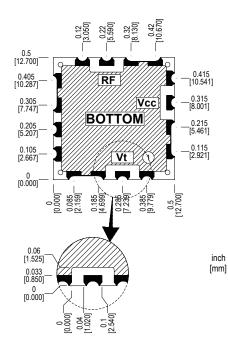
### **Typical Applications**

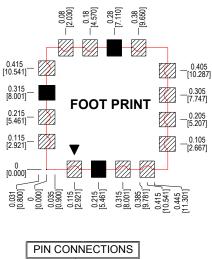
SATCOM	Pointto-Point
Receiver	Radio
Test Equipment	MMDS
Radar	WiMax

## **Mechnical Drawing and PIN Connections**









PIN CONNECTIONS				
2	Vt			
10	RF Out			
14	Vcc			
Others	GND			

Dynamic Engineers, Inc.

Rev.1

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

# **Specifications**

#### **Electrical Characteristics**

Parameter		Units	Min	Тур	Max
Operating Frequency Rang	ge	MHz	982		1015
Output Power		dBm	+4.0	+6.0	
Output Impedance		Ω		50	
Phase Noise	@10kHz offset	dBc/Hz		-120	
	@100kHz offset	dBc/Hz		-140	
Tuning Voltage (Vt)		Vdc	0.0		+12
Tuning Voltage Sensitivity (Kv)		MHz/V		4.0~5.0	
2nd Harmonic Suppression		dBc			-10
Power Supply (Vcc)	Voltage	Vdc		8	
	Current	mA		29	40
Pushing Figure		MHz/V		1.0	
Pulling Figure(12dB Return Loss, all phases)		MHz		2.0	
Input Capacitance		pF		47	
Operating Temp. Range		°C	-40		+85