

### Dynamic Engineers Inc.

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

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#### **Features and Benefits**

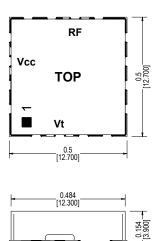
Frequency Range:55-130MHz Supply Voltage:12V Current: 50mA Max. Output power: +15.0dBm Max. Tuning Voltage: 0-20V Phase noise: -103dBc/Hz@10KHz Operating temperature: -40°C --+85°C Size:12.7x12.7x3.9mm

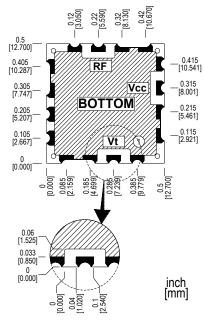
#### **Typical Applications**

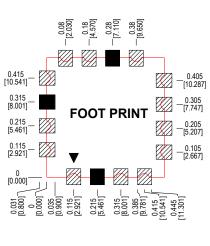
SATCOM Receiver Test Equipment Radar Point –to-Point Radio MMDS WiMax

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

Drawing No: MD140084-2







PIN CONNECTIONS				
2	Vt			
10	RF Out			
14	Vcc			
Others	GND			

Dynamic Engineers, Inc.

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 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	55		130
Power Supply (Vcc)	Voltage	Vdc	11.4	12	12.6
	Current	mA			50
Output Power		dBm	+9.0	+12.0	+15.0
Output Impedance		Ω		50	
Phase Noise @10kHz offset		dBc / Hz		-103	-97
Tuning Voltage (Vt)		V	0		+20
Tuning Voltage Sensitivity (Kv)		MHz / V		4-7	
2nd Harmonic Suppression		dBc		-8	-5
Pushing Figure(11.4-12.6)		MHz		2	5
Pulling Figure(12dB RL)		MHz		2	5
Input Capacitance		pF		27	
Operating Temperature Range		Ċ	-40		+85