



# Dynamic Engineers Inc.

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

J7 C%&/%&6 E!% +\$A <n!&++\$A <n!5  
 FJİ ĘĞ İ Ę P: ÂT ÖĂŎUÁ

## Features and Benefits

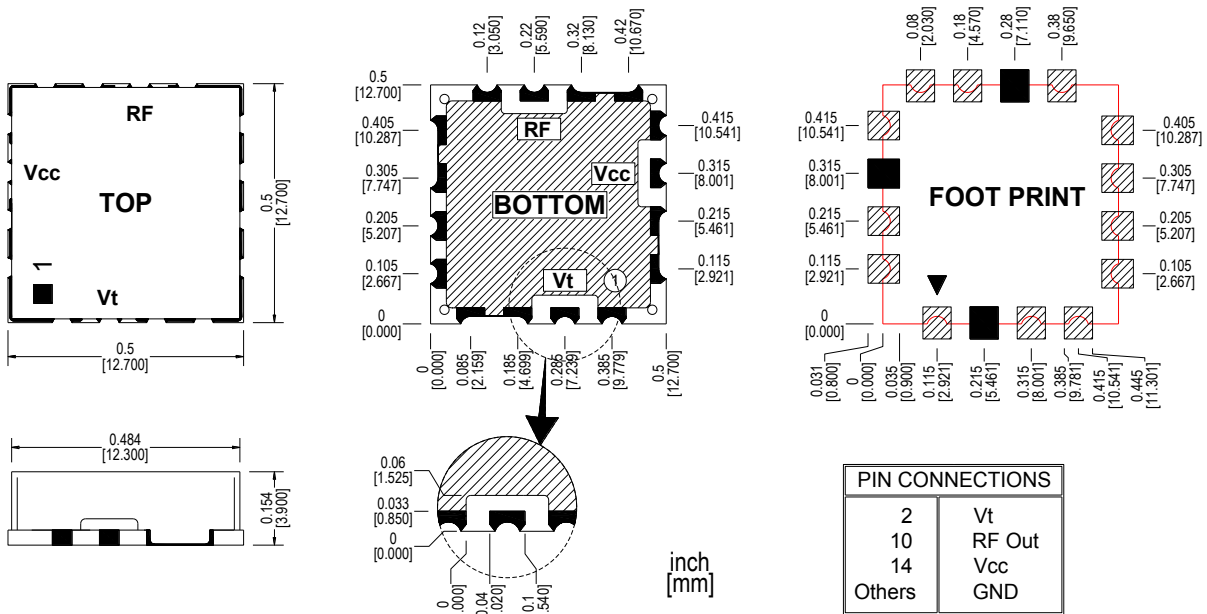
- Frequency Range: 1970-2770MHz
- Supply Voltage: 8.0V
- Current: 40mA Max.
- Output power: +8.5dBm Max.
- Tuning Voltage: 0.5-25V
- Phase noise: -106dBc/Hz@100KHz
- Operating temperature: -40°C--+85°C
- Size: 12.7x12.7x3.9mm

## Typical Applications

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

## Mechanical Drawing & Pin Connections

Drawing No: MD140084-2





### Specifications

Parameter	Units	Min.	Typical	Max.
Operating Frequency Range	MHz	1970		2770
Power Supply (Vcc)	Voltage	Vdc	8	
	Current	mA		40
Output Power	dBm	+1.5	+5.0	+8.5
Output Impedance	Ω		50	
Phase Noise @10kHz offset	dBc / Hz		-90	
Phase Noise @100kHz offset	dBc / Hz		-106	
Tuning Voltage (Vt)	V	0.5		+25
Tuning Voltage Sensitivity (Kv)	MHz / V		36-70	
2nd Harmonic Suppression	dBc		-10	
Pushing Figure	MHz / V		5	
Pulling Figure (12dB)	MHz		15	
Input Capacitance	pF		100	
Operating Temperature Range	°C	-40		+85