



Dynamic Engineers Inc.

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Features and Benefits

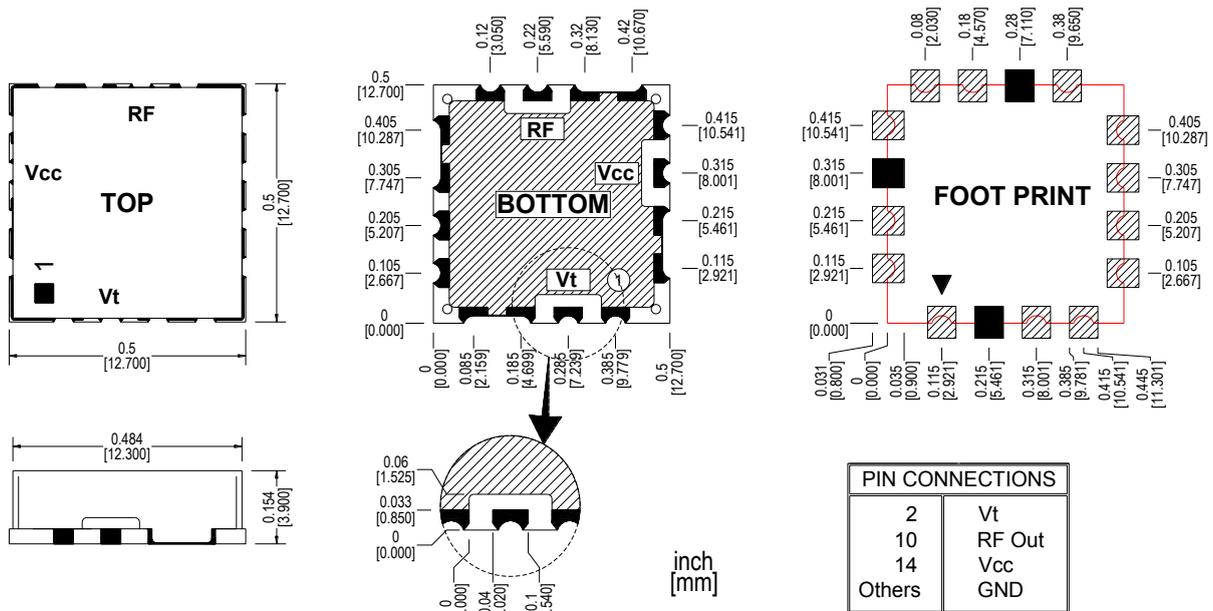
- Frequency Range: 55-130MHz
- Supply Voltage: 12V
- Current: 50mA Max.
- Output power: +15.0dBm Max.
- Tuning Voltage: 0-20V
- Phase noise: -103dBc/Hz@10KHz
- Operating temperature: -40°C --+85°C
- Size: 12.7x12.7x3.9mm

Typical Applications

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

Mechanical Drawing & Pin Connections

Drawing No: MD140084-2





Specifications

Parameter	Units	Min.	Typical	Max.
Operating Frequency Range	MHz	55		130
Power Supply (Vcc)	Voltage	11.4	12	12.6
	Current			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	°C	-40		+85