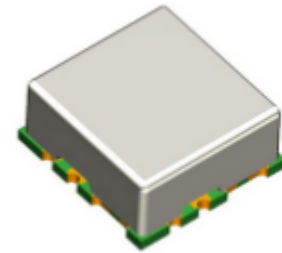




Features and Benefits

Frequency Range:845-875MHz
 Supply Voltage:5V
 Current: 15mA Typ.
 Output power: +3.5dBm Typ.
 Tuning Voltage: 1-4V
 Phase noise: -113dBc/Hz@10KHz
 Operating temperature: -40°C--+85°C
 Size:12.7x12.7x3.9mm
 Package type: SMD

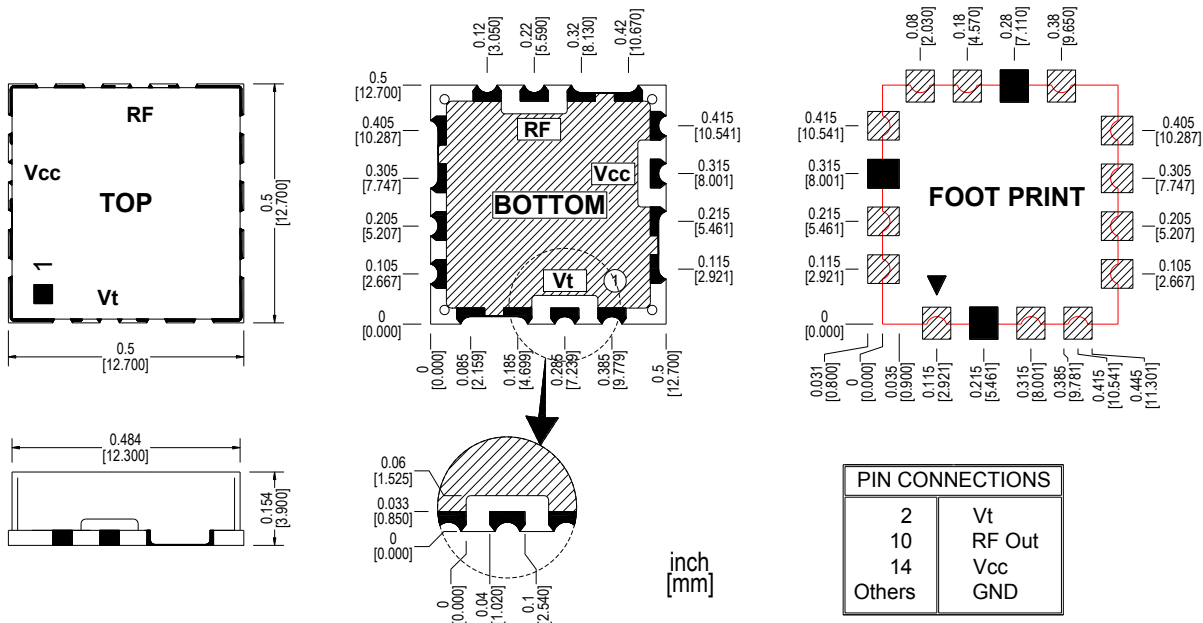


Typical Applications

- 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	845		875
Power Supply (Vcc)	Voltage		+5	
	Current		15	
Output Power	dBm		+3.5	
Output Impedance	Ω		50	
Phase Noise @10kHz offset	dBc / Hz		-113	
Phase Noise @100kHz offset	dBc / Hz		-133	
Tuning Voltage (Vt)	V	1		4
Tuning Voltage Sensitivity (Kv)	MHz / V		14	
2 nd Harmonic Suppression	dBc		-15	
Pushing Figure	MHz / V		0.1	
Pulling Figure	MHz		1	
Input Capacitance	pF		47	
Operating Temperature Range	$^{\circ}\text{C}$	-40		+85