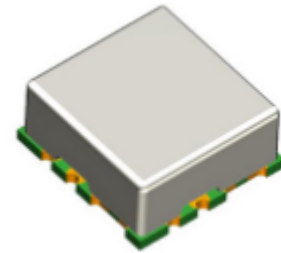




Features and Benefits

Frequency Range:2996-3032MHz
 Supply Voltage:5V
 Current: 40mA Max.
 Output power: +1dBm Typ.
 Tuning Voltage: 0-5V
 Phase noise: -100dBc/Hz@10KHz
 Operating temperature: -40°C--+85°C
 Size:12.7x12.7x3.9mm
 Package type: SMD

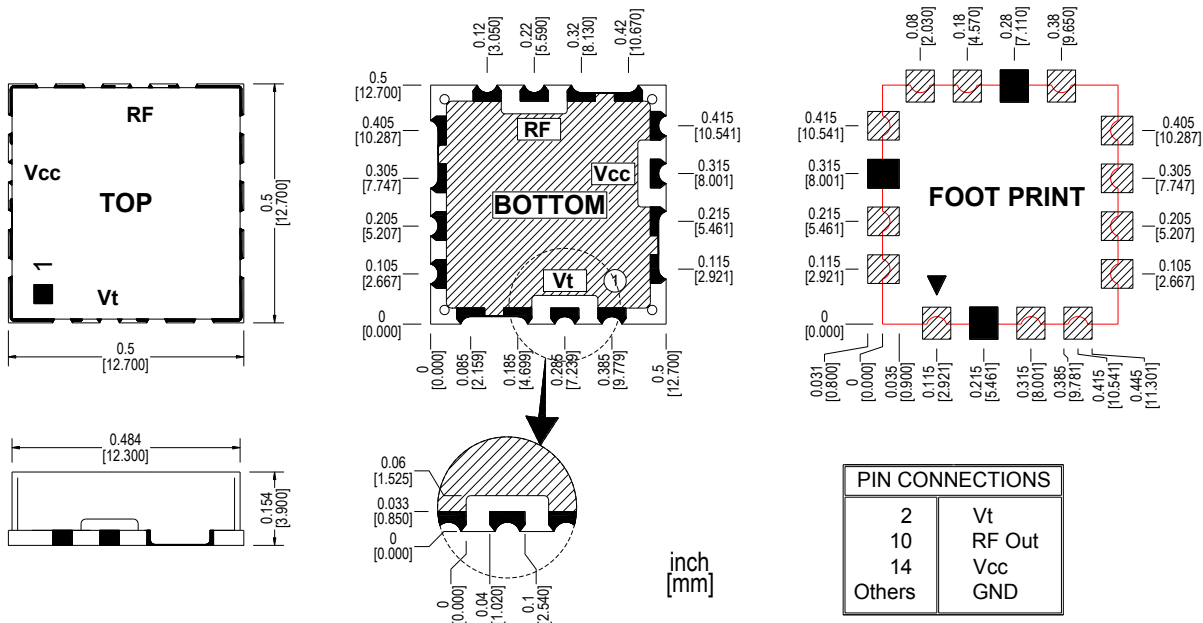


Typical Applications

- 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	2996		3032
Power Supply (Vcc)	Voltage		+5	
	Current			40
Output Power	dBm	-1.5	+1.0	+3.5
Output Impedance	Ω		50	
Phase Noise @10kHz offset	dBc / Hz		-100	
Phase Noise @100kHz offset	dBc / Hz		-118	
Tuning Voltage (Vt)	V	0		5.0
Tuning Voltage Sensitivity (Kv)	MHz / V		10~20	
2 nd Harmonic Suppression	dBc			-10
Pushing Figure	MHz / V			5
Pulling Figure	MHz			7
Input Capacitance	pF		22	
Operating Temperature Range	$^{\circ}\text{C}$	-40		+85