

Features

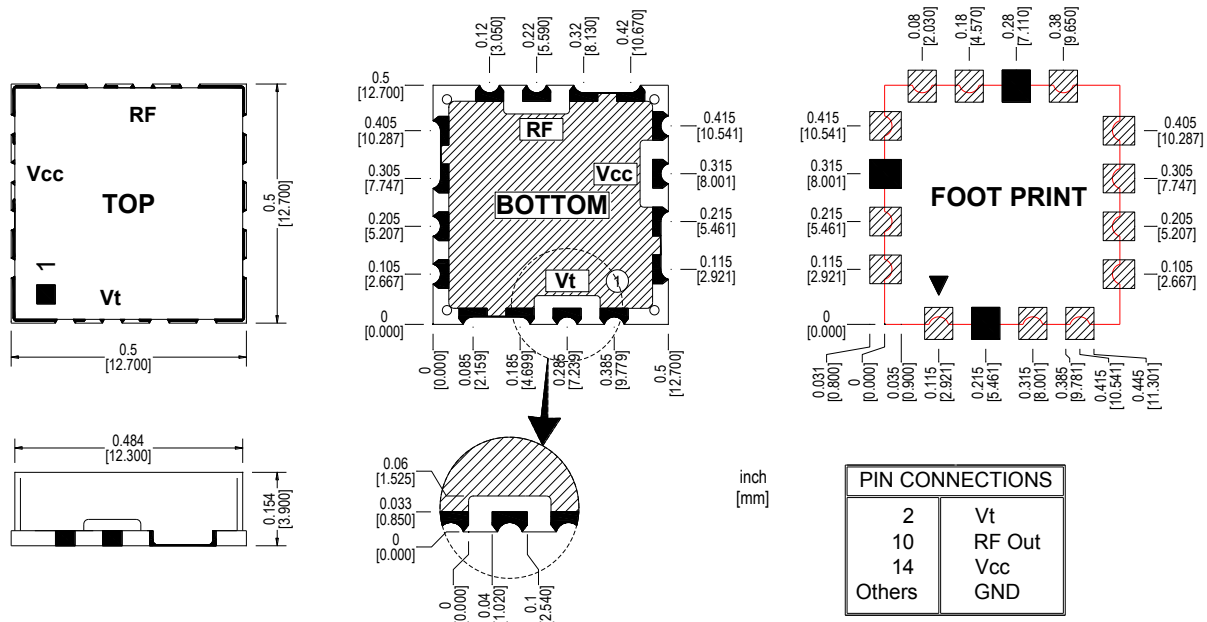
Low phase noise
 Linear tuning characteristics
 Low pushing / Low pulling

Typical Applications

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

Mechanical Drawing and PIN Connections

Drawing No: MD140084-1



Specifications

Electrical Characteristics

Parameter		Units	Min	Typ	Max
Operating Frequency Range		MHz	1602		1609
Output Power		dBm	+2.0	+4.0	
Output Impedance		Ω		50	
Phase Noise	@10kHz offset	dBc/Hz		-115	
	@100kHz offset	dBc/Hz		-132	
	@1MHz offset	dBc/Hz		-152	
	@10MHz offset	dBc/Hz		-165	
Tuning Voltage (Vt)		Vdc	0.5		4.5
Tuning Voltage Sensitivity (Kv)		MHz/V		12~15	
2nd Harmonic Suppression		dBc			-12
Power Supply (Vcc)	Voltage	Vdc		5	
	Current	mA			40
Pushing Figure		MHz/V		1	
Pulling Figure(12dB Return Loss, all phases)		MHz		2.5	
Input Capacitance		pF		100	
Operating Temp. Range		°C	-55		+85