

Features

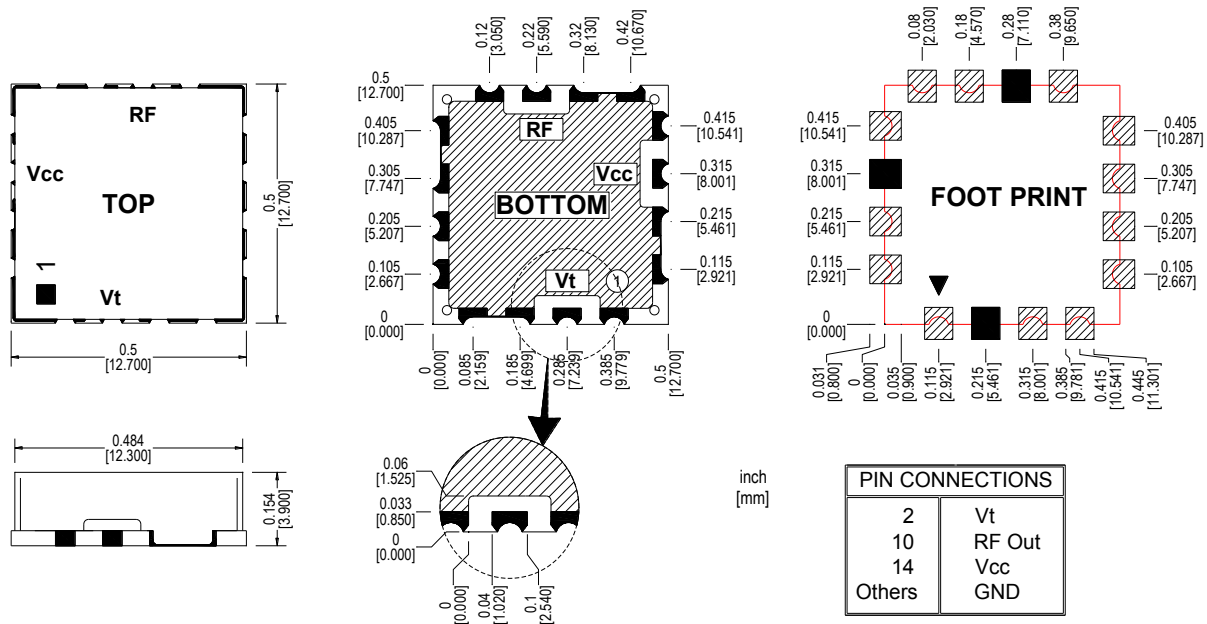
Low phase noise
 Linear tuning characteristics
 Low pushing / Low pulling

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	1755		1810
Output Power	dBm	+2.0	+4.0	
Output Impedance	Ω		50	
Phase Noise @10kHz offset	dBc/Hz		-113	
@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		22~25	
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		15	
Operating Temp. Range	°C	-55		+85