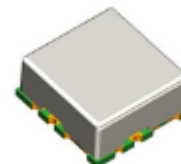




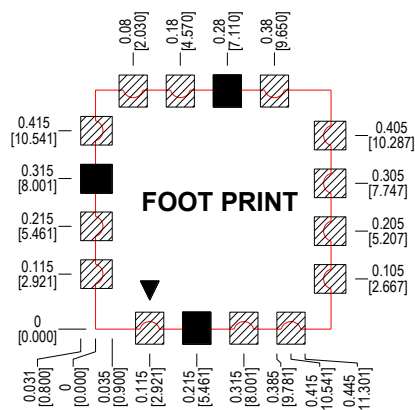
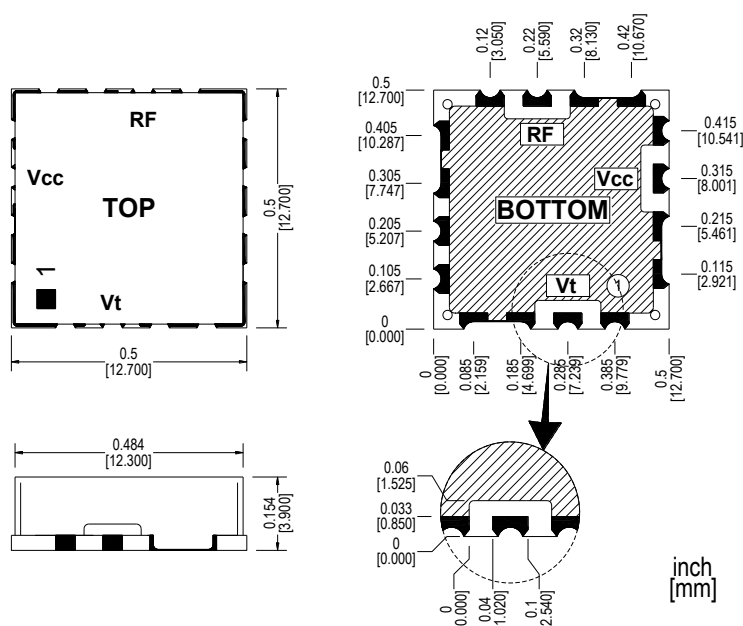
J7 C%8%86 E!%8) A<n!%) A<n!5
125-135MHz SMD VCO_Voltage Controlled
Oscillator

Frequency Range:125-135MHz
Supply Voltage:5V
Current: 15mA Typ.
Output power: +11dBm Typ.
Tuning Voltage: 0.5-4.5V
Phase noise: -113dBc/Hz@10KHz
Operating temperature: -40°C--+85°C
Size:12.7x12.7x3.9mm
Package type: SMD



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

Drawing No: MD140084-2



PIN CONNECTIONS	
2	Vt
10	RF Out
14	Vcc
Others	GND



Specifications

Parameter		Units	Min.	Typical	Max.
Operating Frequency Range		MHz	125		135
Power Supply (Vcc)	Voltage	Vdc		+5	
	Current	mA		15	
Output Power		dBm		+11	
Output Impedance		Ω		50	
Phase Noise @10kHz offset		dBc / Hz		-113	
Phase Noise @100kHz offset		dBc / Hz		-133	
Tuning Voltage (Vt)		V	0.5		4.5
Tuning Voltage Sensitivity (Kv)		MHz / V		5	
2 nd Harmonic Suppression		dBc		-30	
Pushing Figure		MHz / V		0.2	
Pulling Figure		MHz		1	
Input Capacitance		pF		330	
Operating Temperature Range		°C	-40		+85