



Features and Benefits

- Low phase noise
- Linear tuning characteristics
- Low pushing / Low pulling
- Aqueous washable

Typical Applications

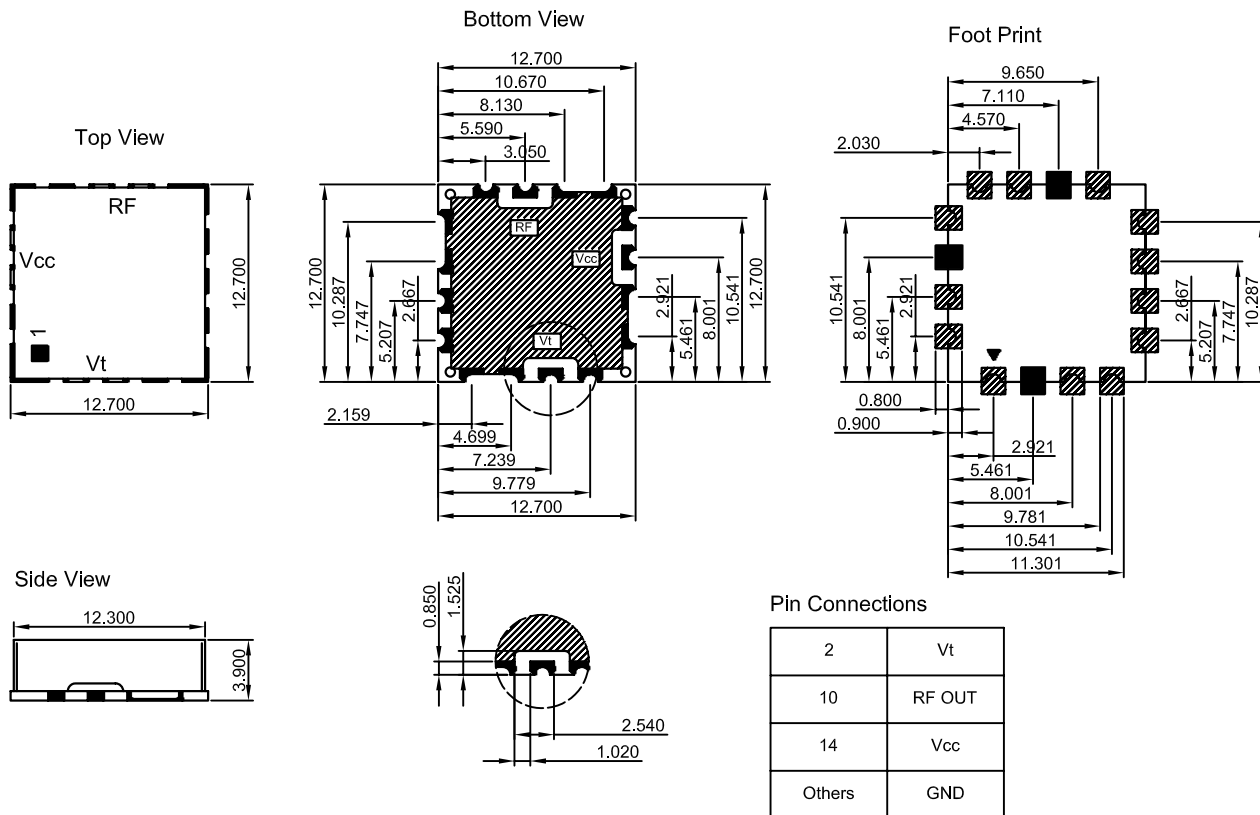
- SATCOM
- Receiver
- Test Equipment
- Radar
- Point-to-Point
- Radio
- MMDS
- WiMax

Description

Ultra-low Noise Surface Mount VCO

Mechanical Drawing & Pin Connections

Drawing No: MD140084-1



Unit in mm
1mm = 0.0394 inches



Specifications

Parameter	Units	Min.	Typical	Max.
Operating Frequency Range	MHz	1100		1200
Power Supply (Vcc)	Voltage		5	
	Current			35
Output Power	dBm	+4.5	+7.0	+9.5
Output Impedance	Ω		50	
Phase Noise @10kHz offset	dBc / Hz		-100	-93
Phase Noise @100kHz offset	dBc / Hz		-123	-118
Tuning Voltage (Vt)	V	+0.5		+4.5
Tuning Voltage Sensitivity (Kv)	MHz / V		42	
2nd Harmonic Suppression	dBc			-10
Pushing Figure	MHz / V		2.5	5.0
Pulling Figure (12dB Return Loss)	MHz		2.5	5.0
Input Capacitance	pF		47	
Operating Temperature Range	$^{\circ}\text{C}$	-40		+85