



**Features and Benefits**

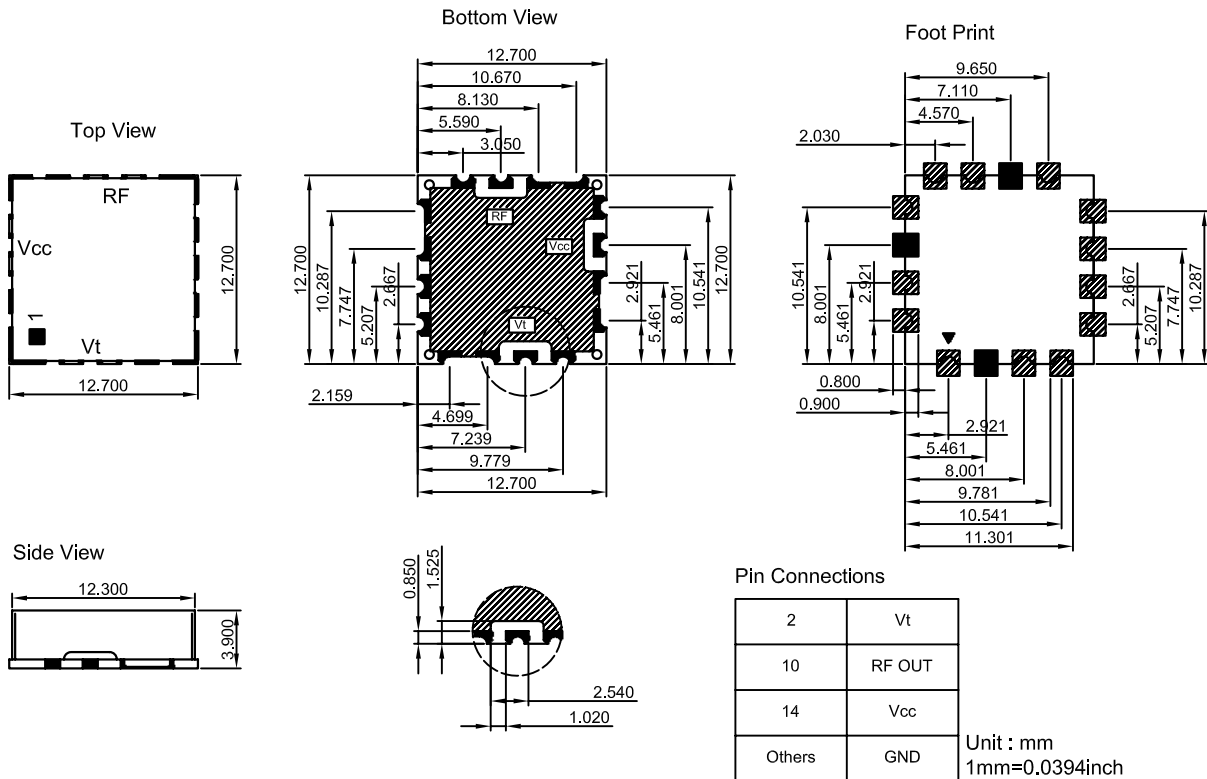
- Low Phase Noise
- Linear tuning characteristics
- Low pushing / Low pulling
- Aqueous washable

**Typical Applications**

- SATCOM
- Radio
- Point-to-Point
- Broadcast

**Mechanical Drawing & Pin Connections**

Drawing No:MD140084-1





### Electrical Characteristics

Parameter	Condition	Sym	Value			Unit
			Min.	Typ.	Max.	
Operating Frequency Range			860		960	MHz
Output Power			3.0	5.0		dBm
Output Impedance				50		$\Omega$
Phase Noise	@10kHz offset			-99	-94	dBc/Hz
Tuning Voltage		Vt	1.0		4.0	Vdc
Tuning Voltage Sensitivity		Kv		45 - 55		MHz/V
2 <sup>nd</sup> Harmonic Suppression				-22	-15	dBc
Power Supply	Voltage Current	Vcc		5 20	30	Vdc mA
Pushing Figure				2		MHz/V
Pulling Figure	(10dB Return Loss, all phases)			2		MHz
Input Capacitance				100		pF
Operating Temperature Range			-30		+80	$^{\circ}$ C