



### Features and Benefits

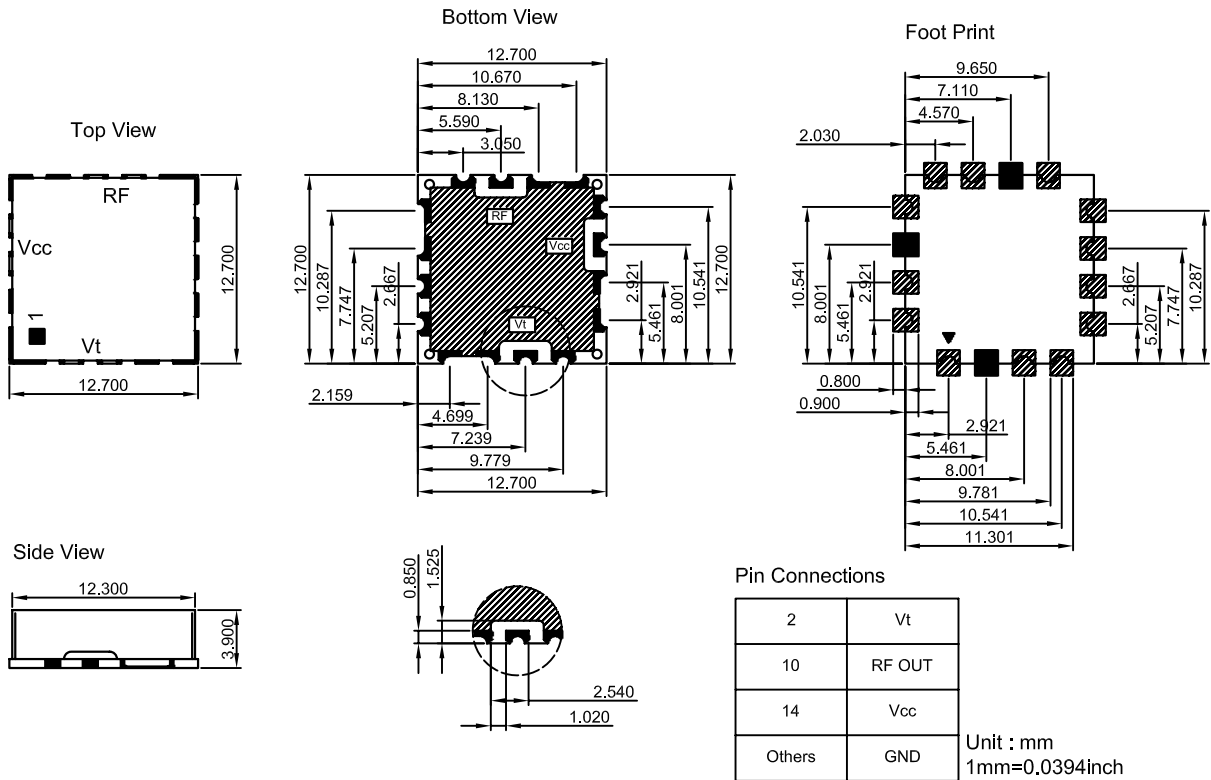
- Low Phase Noise
- Linear tuning characteristics
- Low pushing / Low pulling
- Aqueous washable

### 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			2300		2500	MHz
Output Power			3.0	5.0		dBm
Output Impedance				50		$\Omega$
Phase Noise	@10kHz offset			-94	-89	dBc/Hz
Tuning Voltage		Vt	0.5		4.5	Vdc
Tuning Voltage Sensitivity		Kv		65 – 75		MHz/V
2 <sup>nd</sup> Harmonic Suppression				-20	-15	dBc
Power Supply	Voltage Current	Vcc		5		Vdc
				25	30	mA
Pushing Figure				2		MHz/V
Pulling Figure	(10dB Return Loss, all phases)			3		MHz
Input Capacitance				33		pF
Operating Temperature Range			-30		+80	$^{\circ}\text{C}$