



Features and Benefits

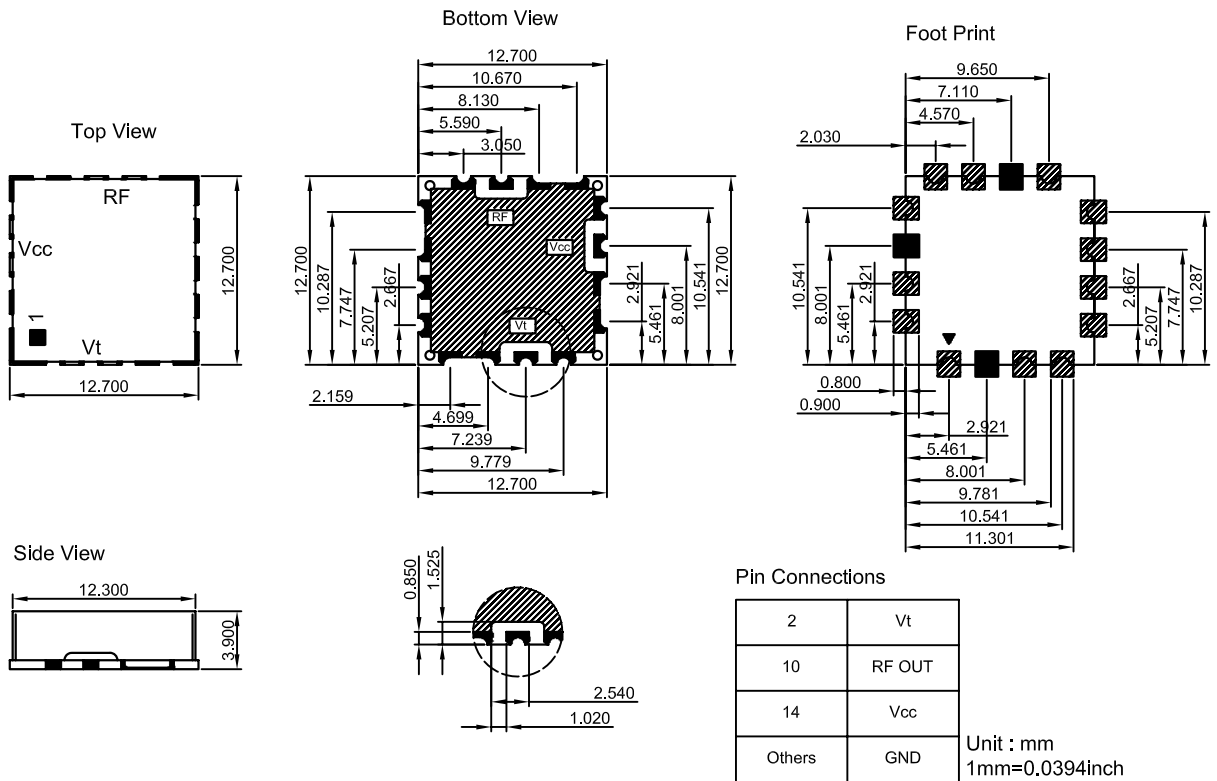
- Low Phase Noise
- Linear tuning characteristics
- Low pushing / Low pulling
- Aqueous washable

Typical Applications

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

Mechanical Drawing & Pin Connections

Drawing No:MD140084-1



Pin Connections	
2	Vt
10	RF OUT
14	Vcc
Others	GND

Unit : mm
1mm=0.0394inch



Electrical Characteristics

Parameter	Condition	Sym	Value			Unit
			Min.	Typ.	Max.	
Operating Frequency Range			1775		1895	MHz
Output Power			3.0	5.0		dBm
Output Impedance				50		Ω
Phase Noise	@10kHz offset			-99	-94	dBc/Hz
Tuning Voltage		Vt	0.5		4.5	Vdc
Tuning Voltage Sensitivity		Kv		40 – 47		MHz/V
2 nd Harmonic Suppression				-22	-15	dBc
Power Supply	Voltage Current	Vcc		5 21	30	Vdc mA
Pushing Figure				2		MHz/V
Pulling Figure	(10dB Return Loss, all phases)			2		MHz
Input Capacitance				47		pF
Operating Temperature Range			-30		+80	$^{\circ}$ C