



Dynamic Engineers Inc.

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VCO1212W-2500-2300-A

Surface Mount Voltage Controlled Oscillator (VCO)

Features and Benefits

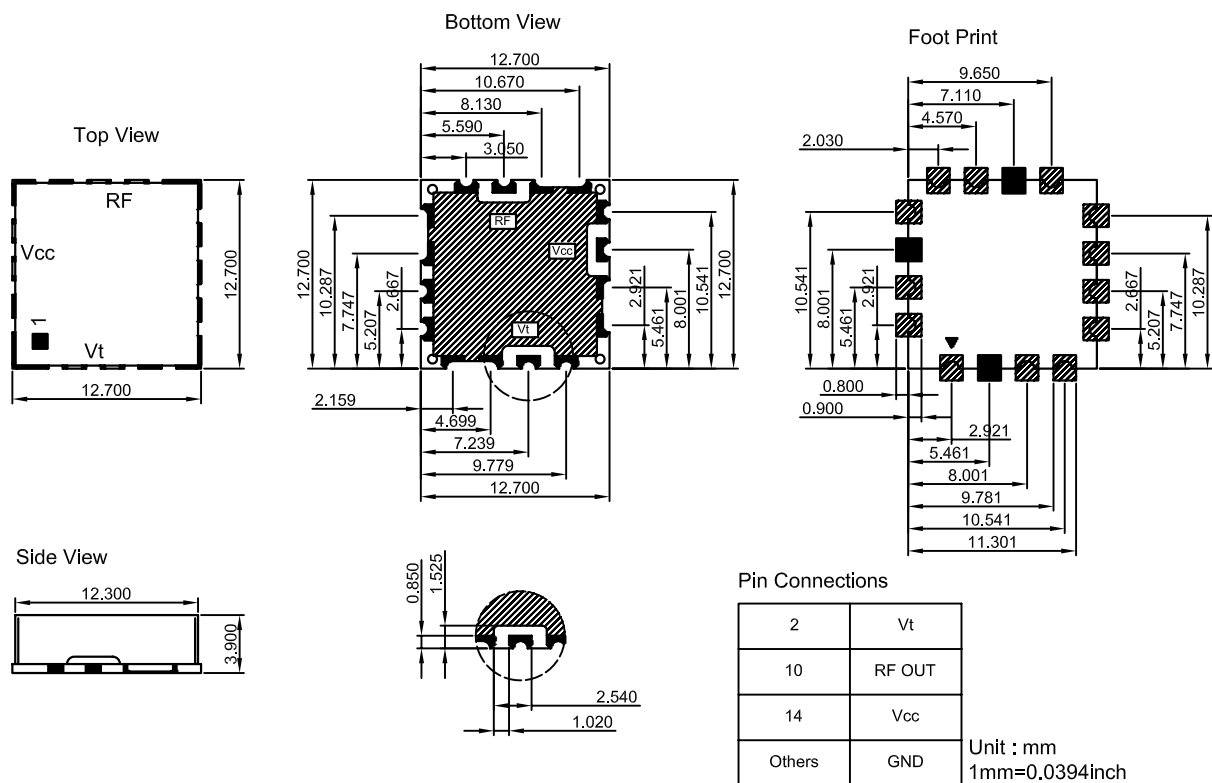
Low Phase Noise
Linear tuning characteristics
Low pushing / Low pulling
Aqueous washable

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		Ω
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 nd Harmonic Suppression				-20	-15	dBc
Power Supply	Voltage	Vcc		5		Vdc
	Current			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	°C