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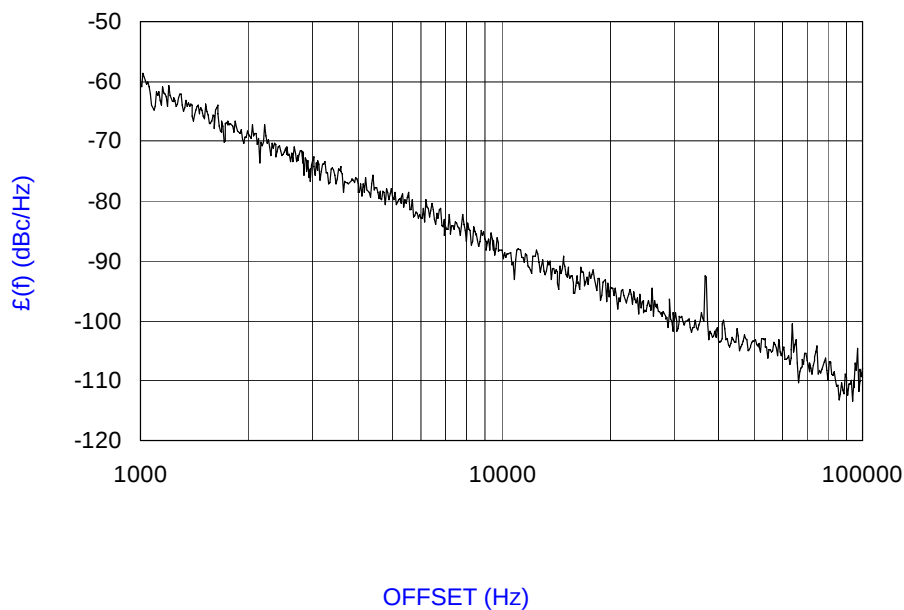
Voltage-Controlled Oscillator Surface Mount Module

Applications

- Microwave Radios
- Fixed Broadband Wireless
- Point to Multi-Point

Application Notes

- AN-101: Mounting and Grounding
- AN-102: Output Loading
- AN-107: Manual Soldering



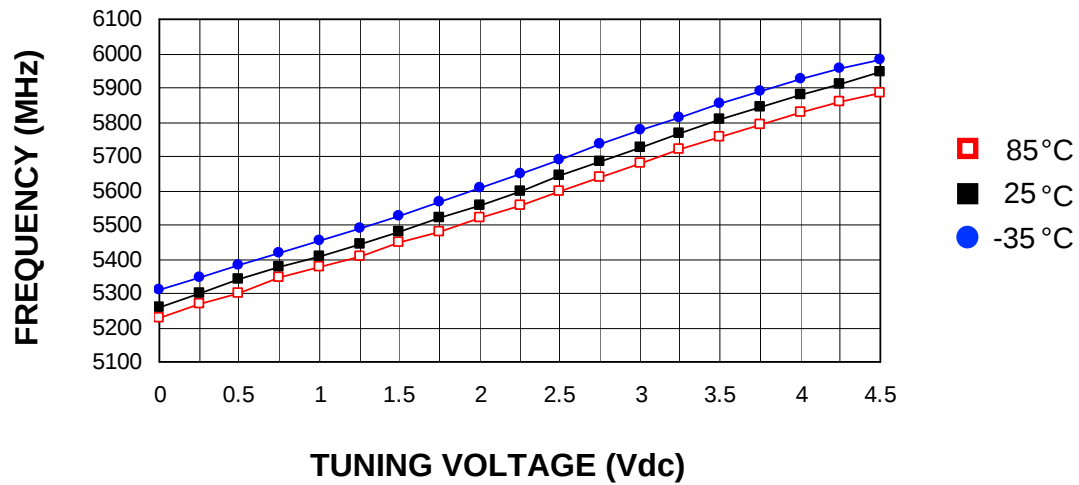
Performance Specifications	Min	Typ	Max	Units
Oscillation Frequency Range	5430		5630	MHz
Phase Noise @ 10 kHz offset (1 Hz BW)		-86		dBc/Hz
Harmonic Suppression (2nd)		-25		dBc
Tuning Voltage	0.5		4.5	Vdc
Tuning Sensitivity (avg.)		150		MHz/V
Power Output	-2	0	2	dBm
Load Impedance		50		Ω
Input Capacitance			50	pF
Pushing			3	MHz/V
Pulling (14 dB Return Loss, Any Phase)			4	MHz
Operating Temperature Range	-35		85	$^{\circ}\text{C}$
Package Style		SUB-L		

Power Supply Requirements	Min	Typ	Max	Units
Supply Voltage (Vcc, nom.)		5		Vdc
Supply Current (Icc)		27	30	mA

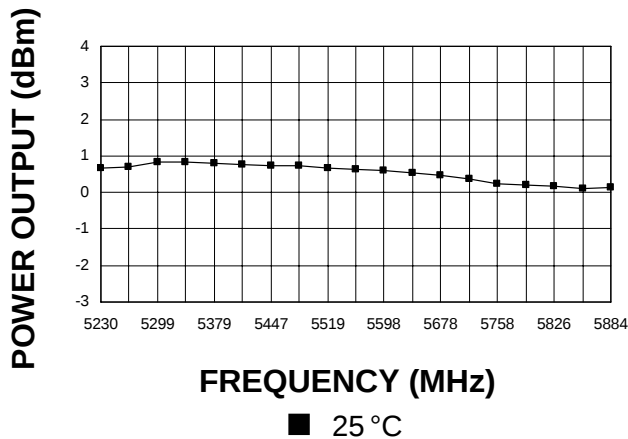
Additional Notes

Phase Noise: -111 dBc/Hz at 100 kHz offset

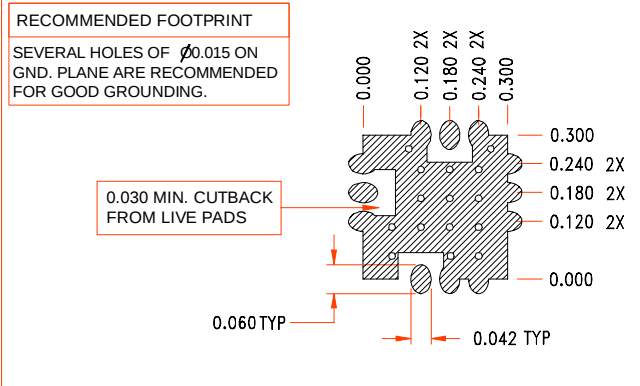
Tuning Curve, typ.



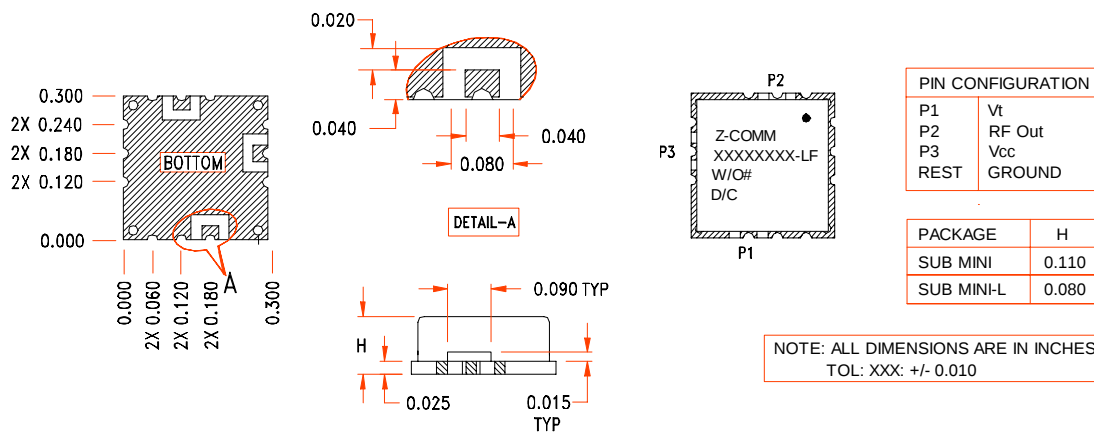
Power Curve, typ.



Footprint



Physical Dimensions



LFSuffix = RoHS Compliant. All specifications are subject to change without notice.