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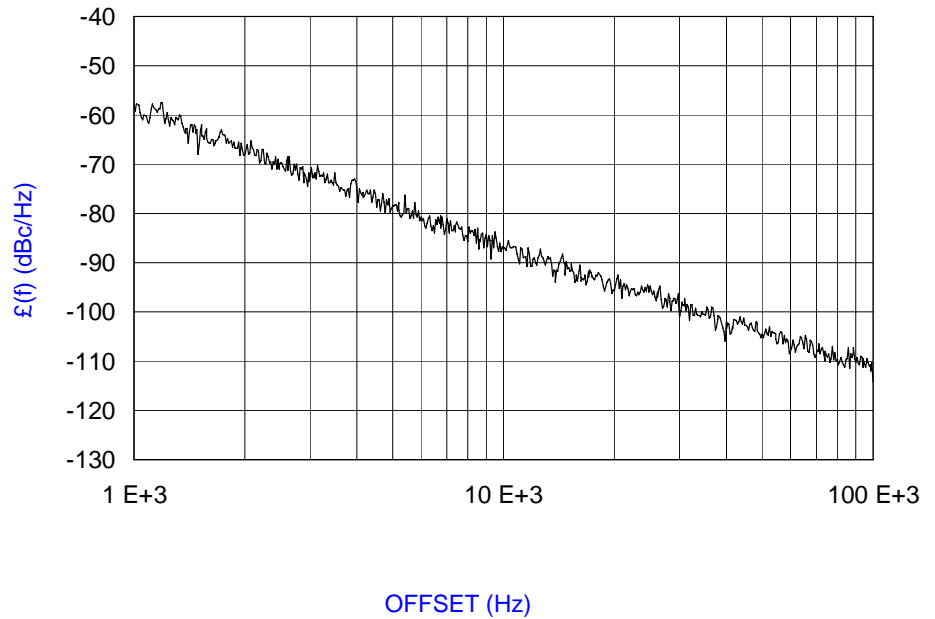
**Voltage-Controlled Oscillator  
 Surface Mount Module**

**Applications**

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**Application Notes**

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



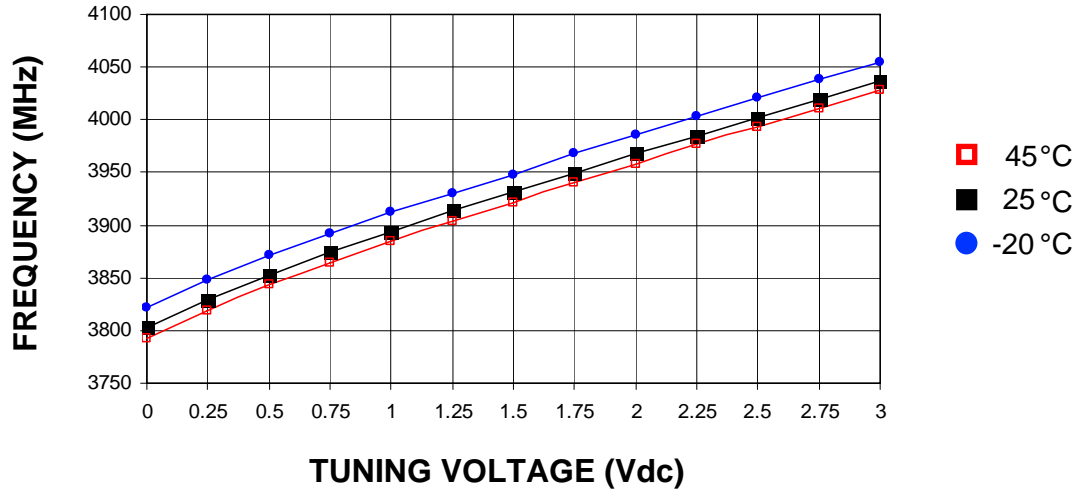
Performance Specifications	Min	Typ	Max	Units
Oscillation Frequency Range	4000		4000	MHz
Phase Noise @ 10 kHz offset (1 Hz BW)		-88		dBc/Hz
Harmonic Suppression (2nd)		-20	-15	dBc
Tuning Voltage	2		3	Vdc
Tuning Sensitivity (avg.)		90		MHz/V
Power Output	-2	1	4	dBm
Load Impedance		50		$\Omega$
Input Capacitance			50	pF
Pushing			4	MHz/V
Pulling (14 dB Return Loss, Any Phase)			7	MHz
Operating Temperature Range	-20		45	$^{\circ}\text{C}$
Package Style	MINI-14S-L			

Power Supply Requirements	Min	Typ	Max	Units
Supply Voltage (Vcc, nom.)		5		Vdc
Supply Current (Icc)		15	18	mA

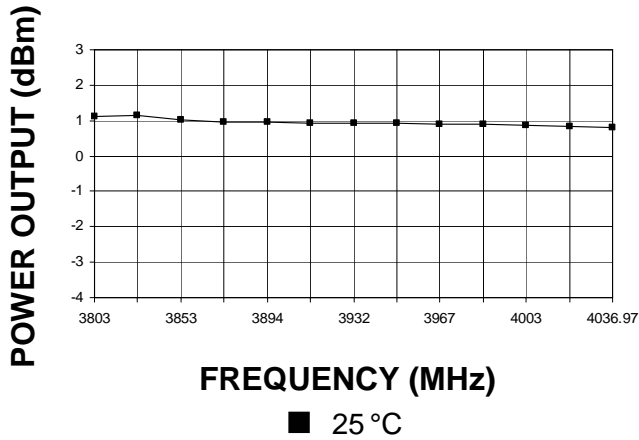
**Additional Notes**

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

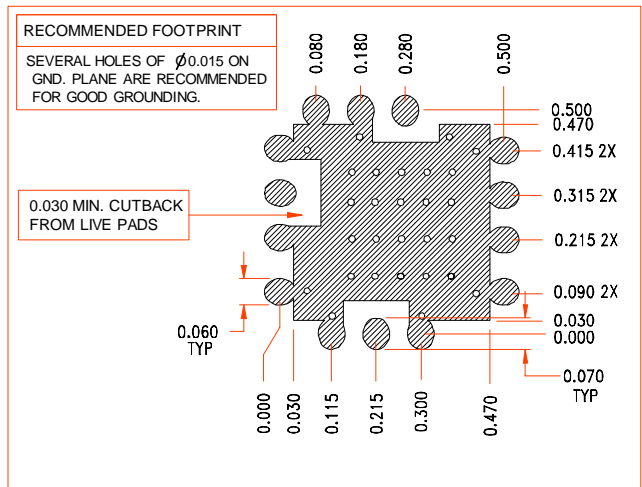
Tuning Curve, typ.



Power Curve, typ.



Footprint



Physical Dimensions



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