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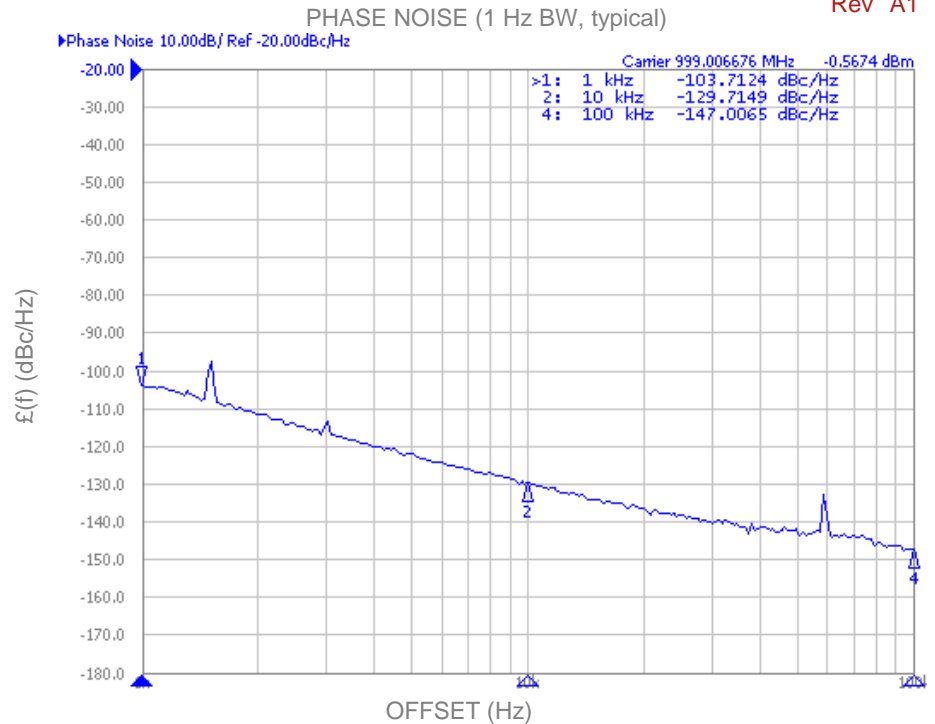
## Voltage-Controlled Oscillator Surface Mount Module

### Applications

- Digital Radio Equipment
- Instrumentation Equipment
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### Application Notes

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

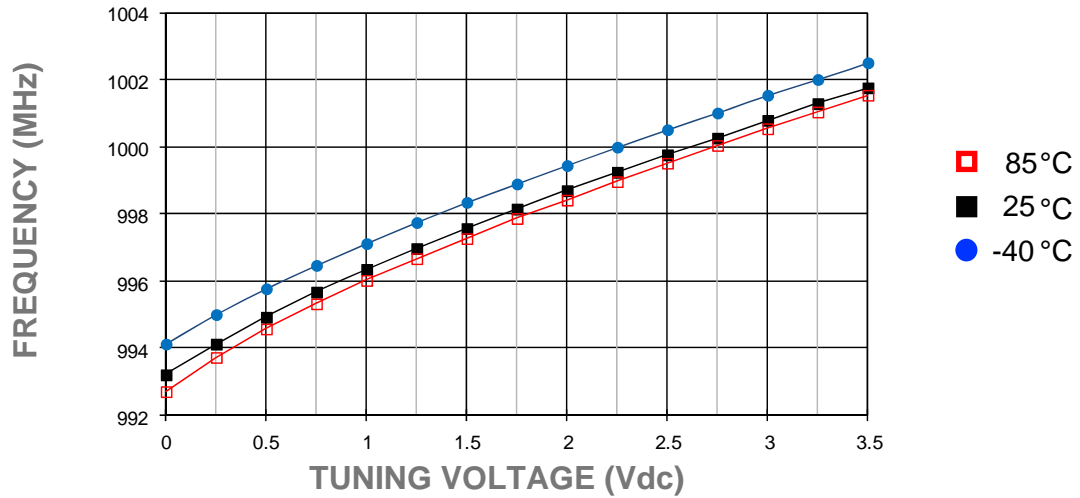


Performance Specifications	Min	Typ	Max	Units
Oscillation Frequency Range	1000		1000	MHz
Phase Noise @ 10 kHz offset (1 Hz BW)		-129		dBc/Hz
Harmonic Suppression (2nd)		-18	-16	dBc
Tuning Voltage	1.5		3.5	Vdc
Tuning Sensitivity (avg.)		2		MHz/V
Power Output	5	7	9	dBm
Load Impedance		50		$\Omega$
Input Capacitance			100	pF
Pushing			.2	MHz/V
Pulling (12 dB Return Loss, Any Phase)			.5	MHz
Operating Temperature Range	-40		85	$^{\circ}\text{C}$
Package Style		ZMX-14-SM		

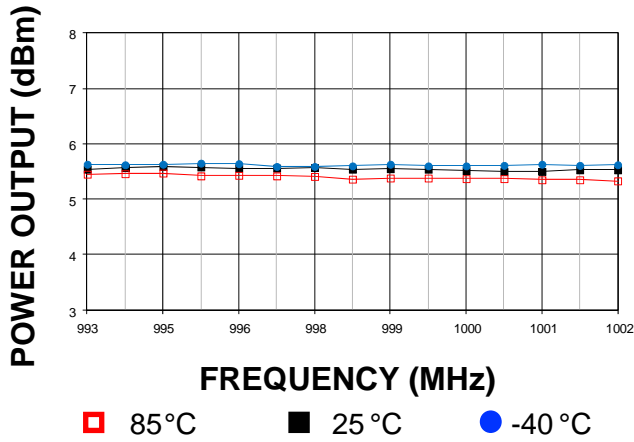
Power Supply Requirements	Min	Typ	Max	Units
Supply Voltage (Vcc, nom.)		8		Vdc
Supply Current (Icc)		25	30	mA

### Additional Notes

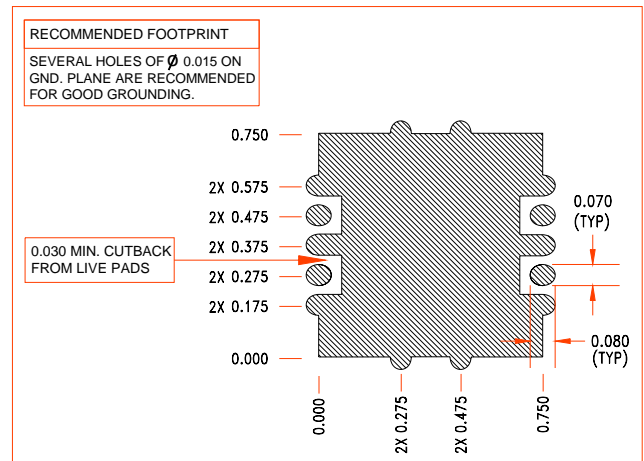
Tuning Curve, typ.



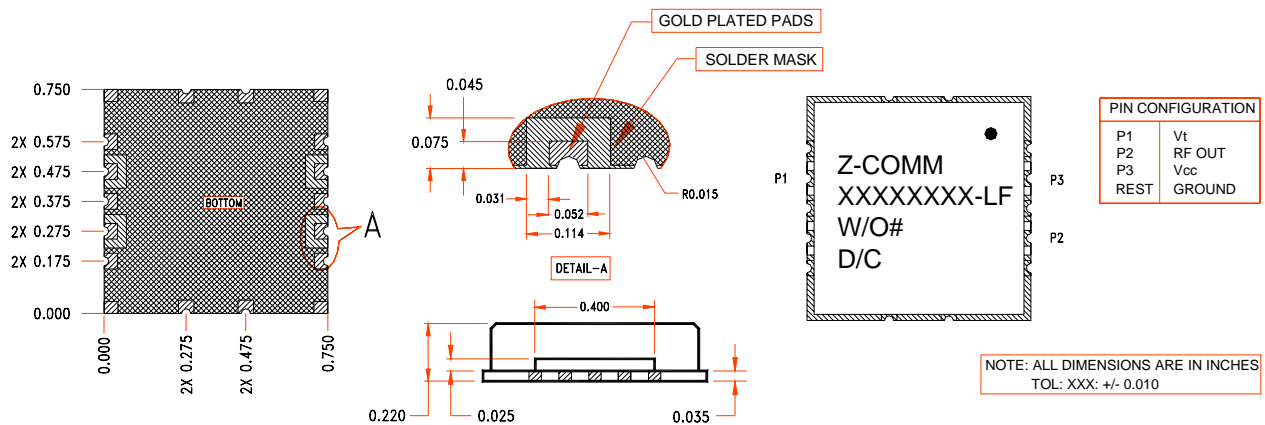
Power Curve, typ.



Footprint



Physical Dimensions



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