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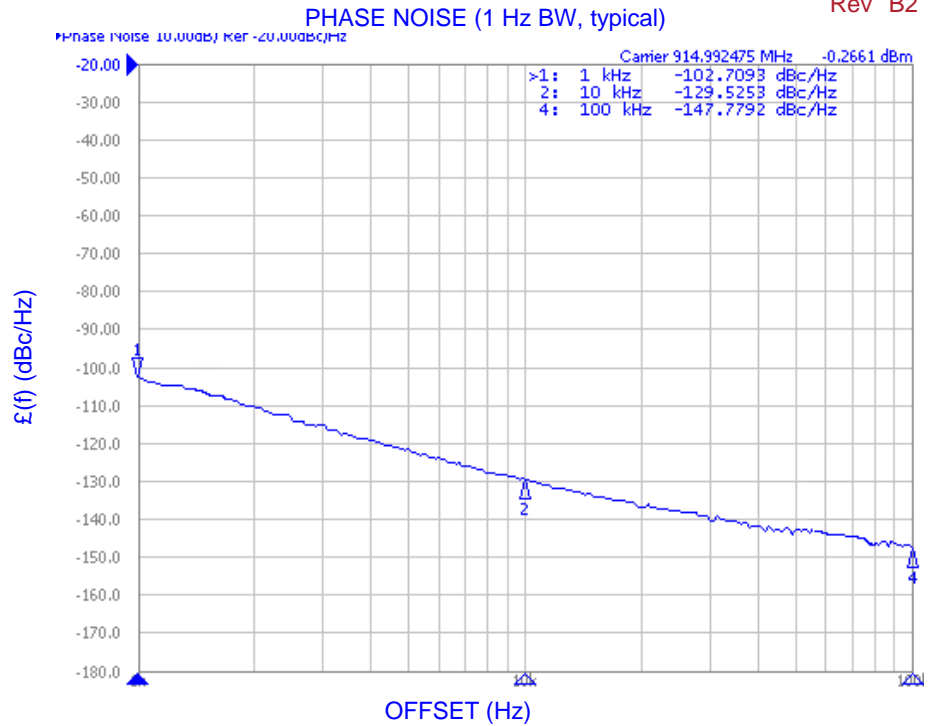
### Voltage-Controlled Oscillator Surface Mount Module

#### Applications

- Digital Communication Systems
- RFID
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#### Application Notes

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



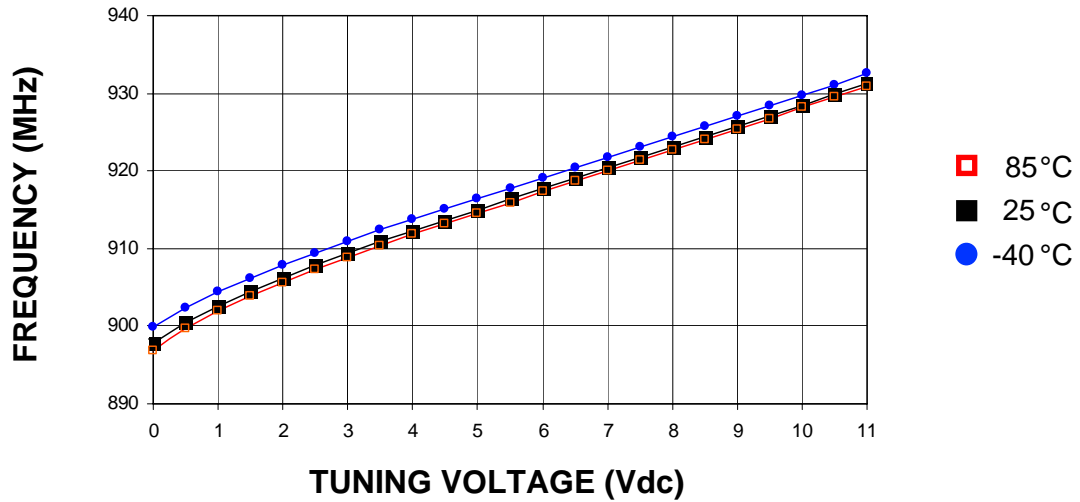
Performance Specifications	Min	Typ	Max	Units
Oscillation Frequency Range	902		928	MHz
Phase Noise @ 10 kHz offset (1 Hz BW)		-128		dBc/Hz
Harmonic Suppression (2nd)		-35	-25	dBc
Tuning Voltage	0		11	Vdc
Tuning Sensitivity (avg.)		2		MHz/V
Power Output	3	5	7	dBm
Load Impedance		50		$\Omega$
Input Capacitance			100	pF
Pushing			.2	MHz/V
Pulling (12 dB Return Loss, Any Phase)			1.5	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.)		10		Vdc
Supply Current (Icc)		23	28	mA

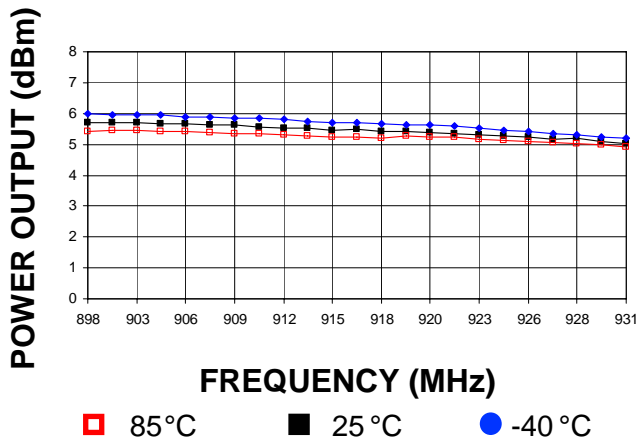
#### Additional Notes

- Phase Noise @ 1 kHz offset (1 Hz BW) -100 (typ) dBc/Hz
- Phase Noise @ 100 kHz offset (1 Hz BW) -148 (typ) dBc/Hz

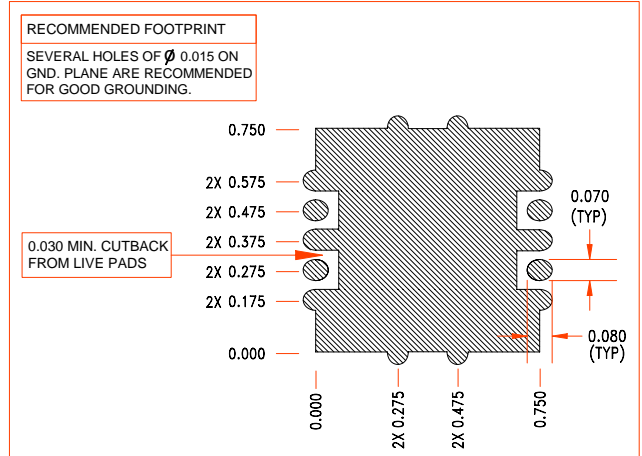
Tuning Curve, typ.



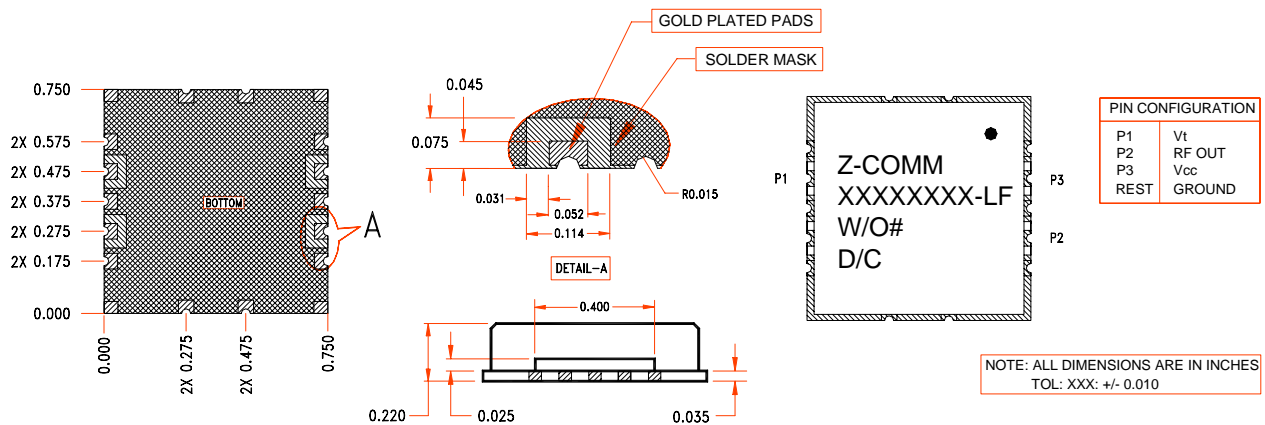
Power Curve, typ.



Footprint



Physical Dimensions



PIN CONFIGURATION	
P1	Vt
P2	RF OUT
P3	Vcc
REST	GROUND

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