

14118 Stowe Drive, Suite B
 Poway, CA 92064
 TEL: (858) 621-2700 | FAX: (858) 486-1927
 URL: www.zcomm.com
 EMAIL: applications@zcomm.com

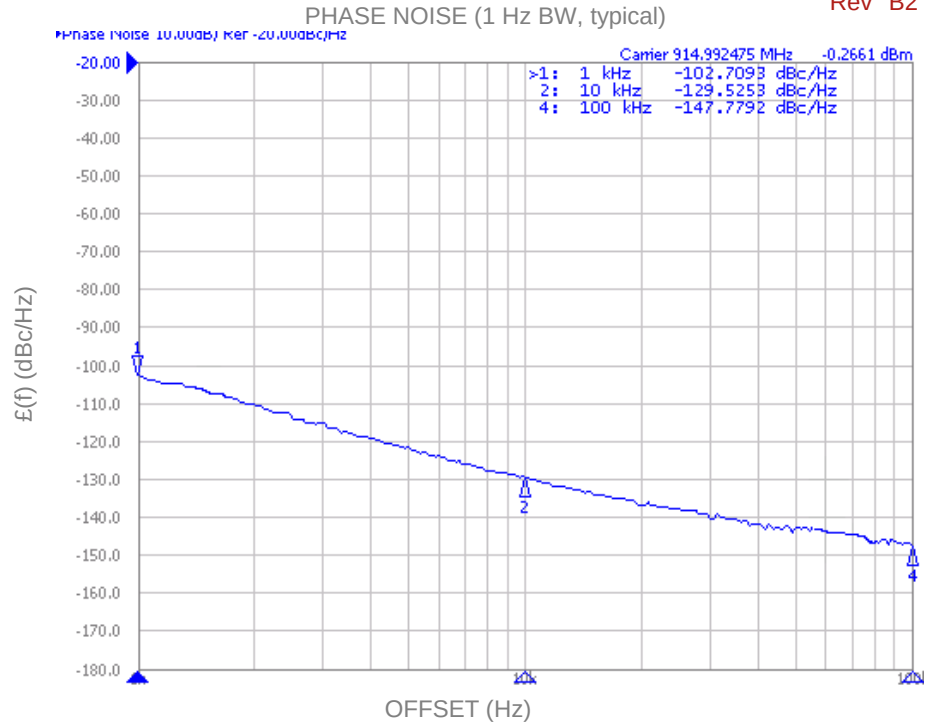
Voltage-Controlled Oscillator Surface Mount Module

Applications

- Digital Communication Systems
- RFID
-

Application Notes

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



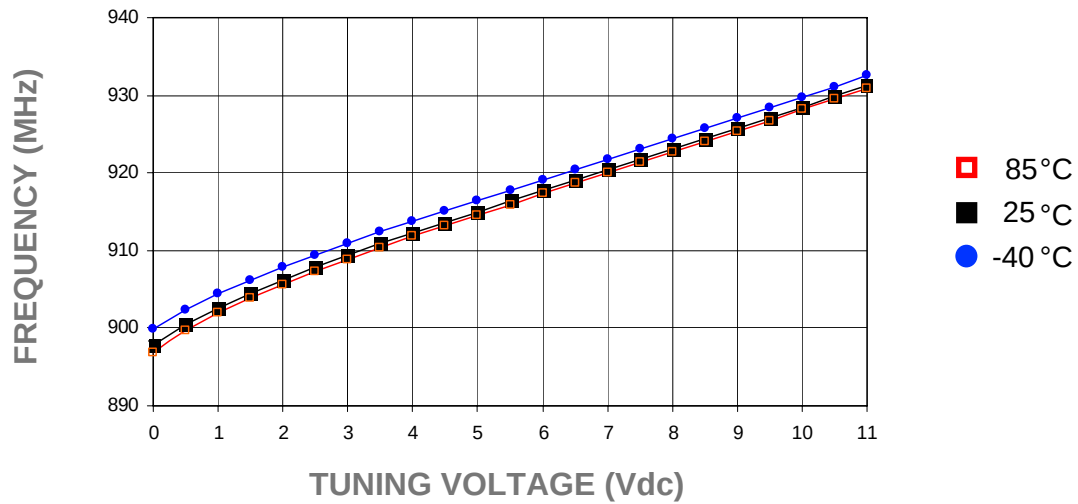
Performance Specifications	Min	Typ	Max	Units
Oscillation Frequency Range	902		928	MHz
Phase Noise @ 10 kHz offset (1 Hz BW)		-128		dBc/Hz
Harmonic Suppression (2nd)		-35	-25	dBc
Tuning Voltage	0		11	Vdc
Tuning Sensitivity (avg.)		2		MHz/V
Power Output	3	5	7	dBm
Load Impedance		50		Ω
Input Capacitance			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

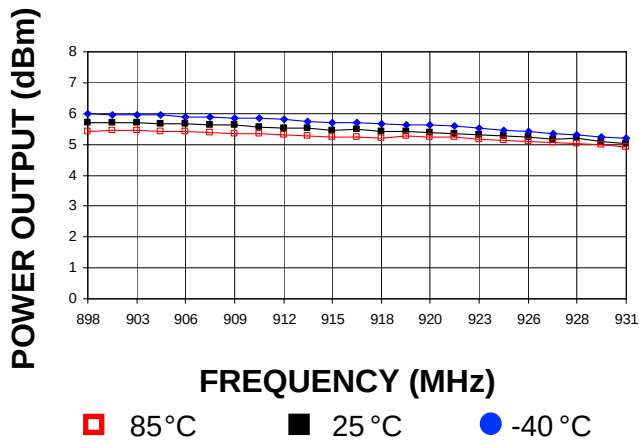
Additional Notes

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

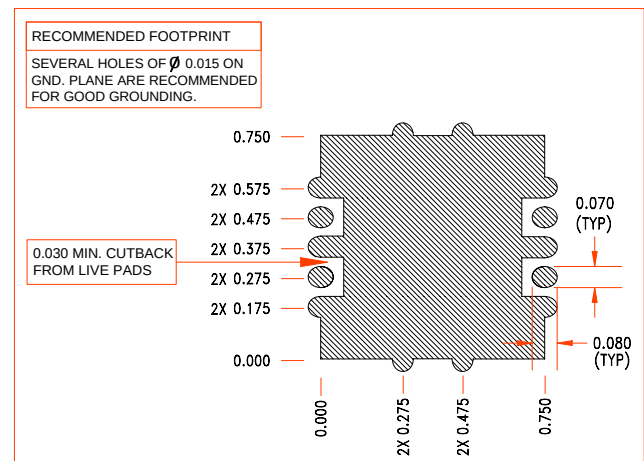
Tuning Curve, typ.



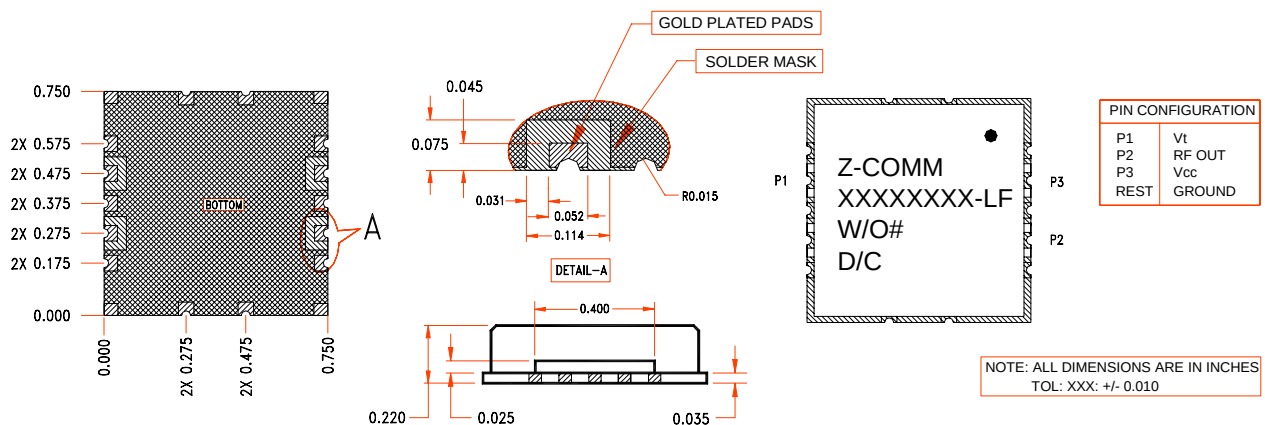
Power Curve, typ.



Footprint



Physical Dimensions



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