

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

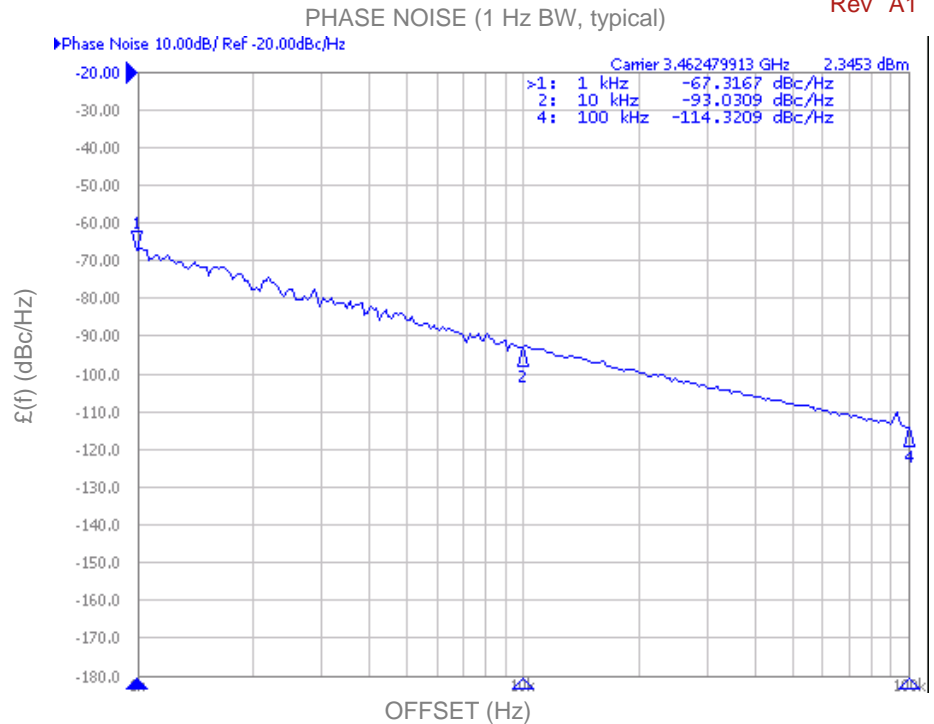
Voltage-Controlled Oscillator Surface Mount Module

Applications

- Direct Broadcast
- Satellite Up/Down Conversion
- Microwave Radios

Application Notes

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

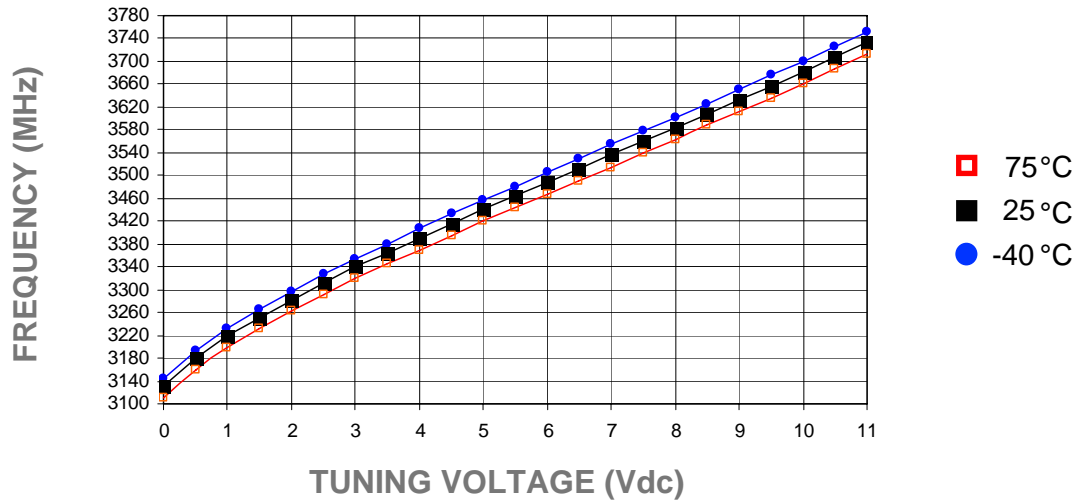


Performance Specifications	Min	Typ	Max	Units
Oscillation Frequency Range	3300		3625	MHz
Phase Noise @ 10 kHz offset (1 Hz BW)		-92		dBc/Hz
Harmonic Suppression (2nd)		-30	-28	dBc
Tuning Voltage	1		11	Vdc
Tuning Sensitivity (avg.)		48		MHz/V
Power Output	7	9	11	dBm
Load Impedance		50		Ω
Input Capacitance			50	pF
Pushing			4	MHz/V
Pulling (14 dB Return Loss, Any Phase)			18	MHz
Operating Temperature Range	-40		75	$^{\circ}\text{C}$
Package Style		MINI-14H		

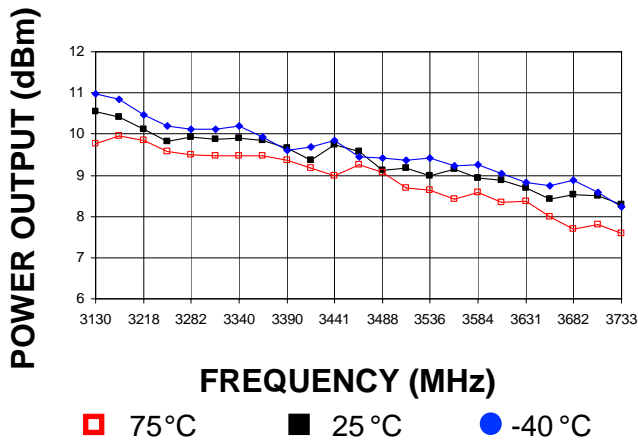
Power Supply Requirements	Min	Typ	Max	Units
Supply Voltage (Vcc, nom.)		8		Vdc
Supply Current (Icc)		23	28	mA

Additional Notes

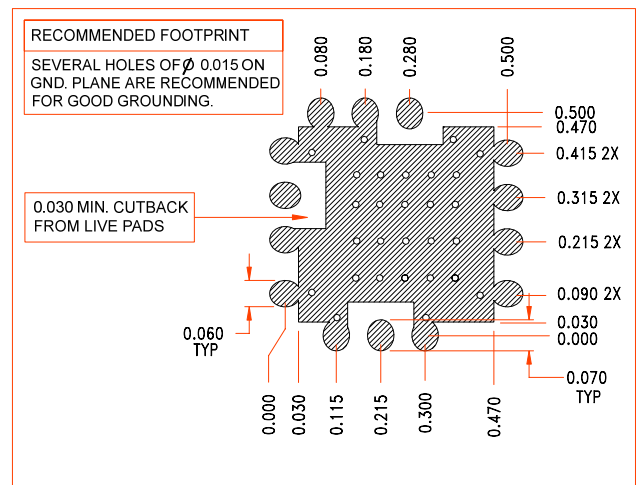
Tuning Curve, typ.



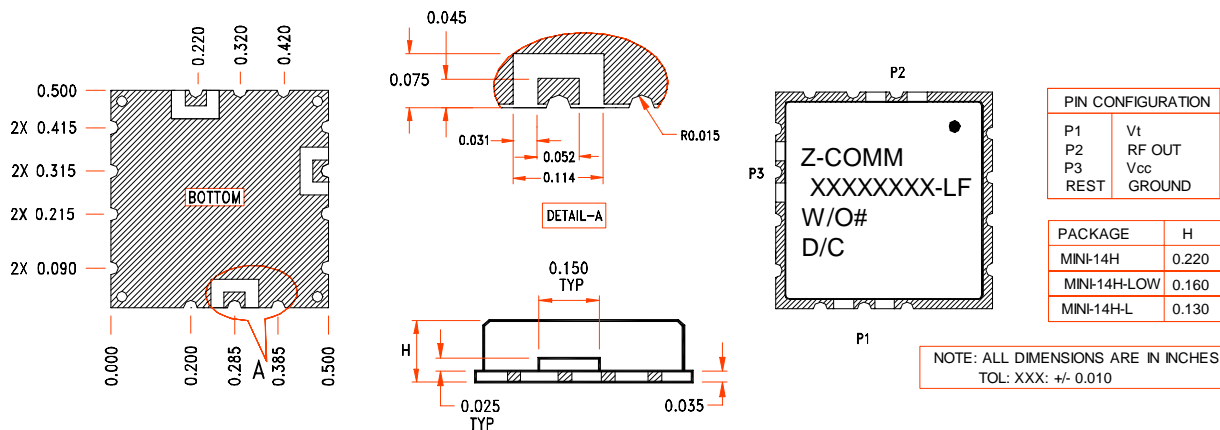
Power Curve, typ.



Footprint



Physical Dimensions



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