

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

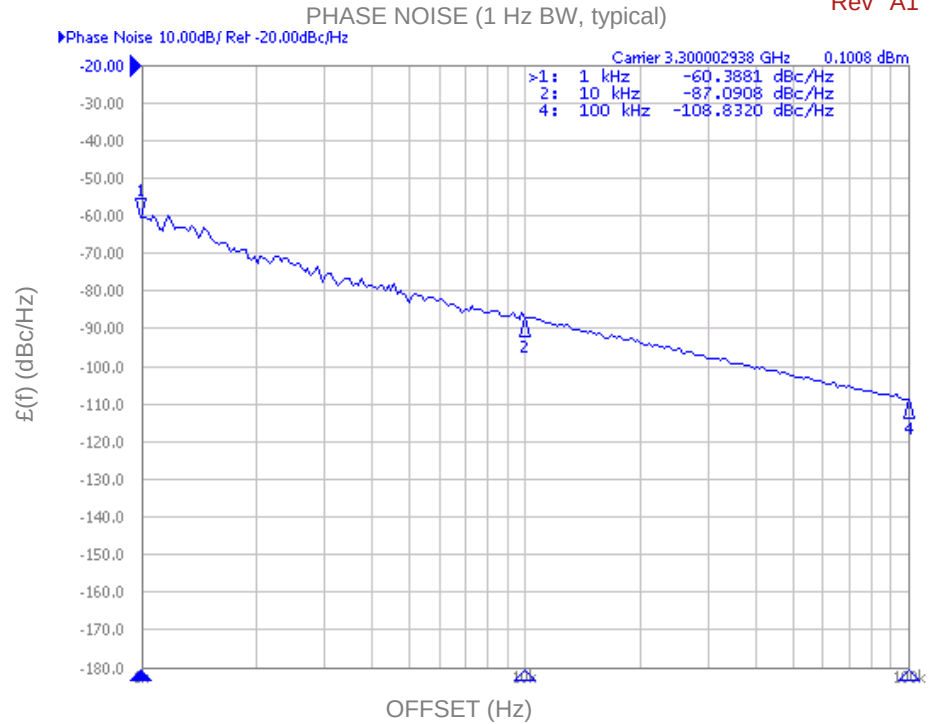
Voltage-Controlled Oscillator Surface Mount Module

Applications

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

Application Notes

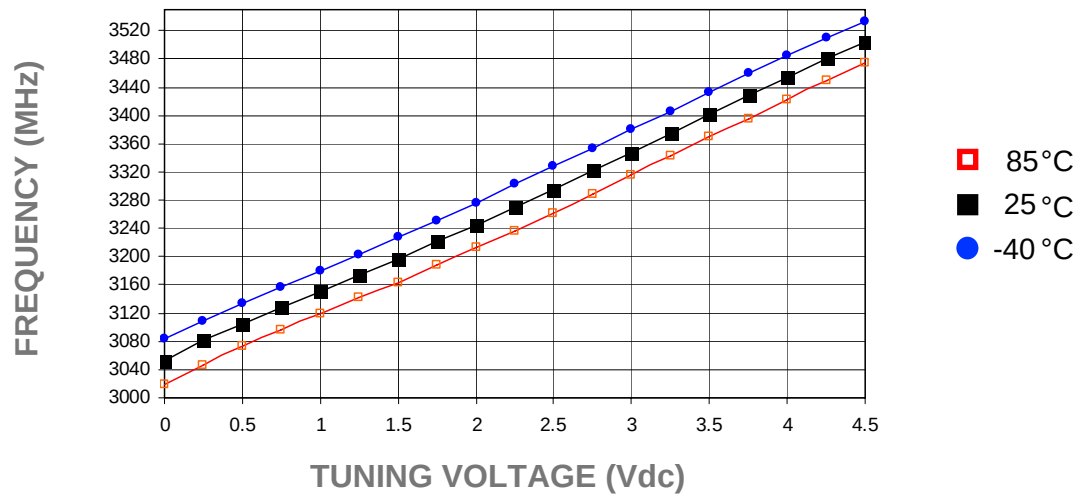
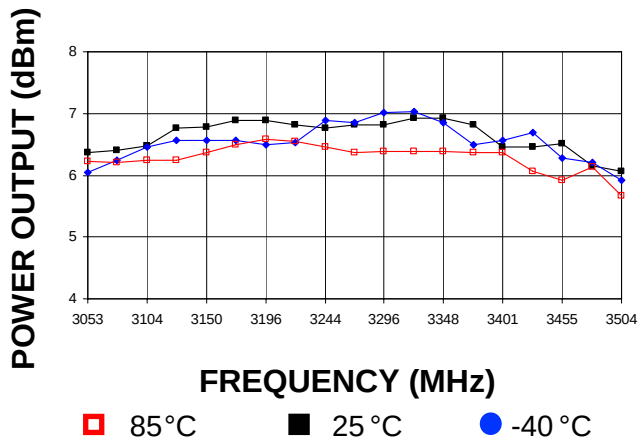
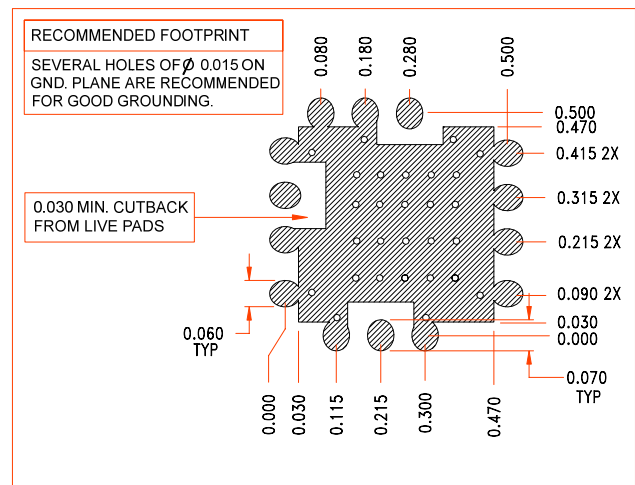
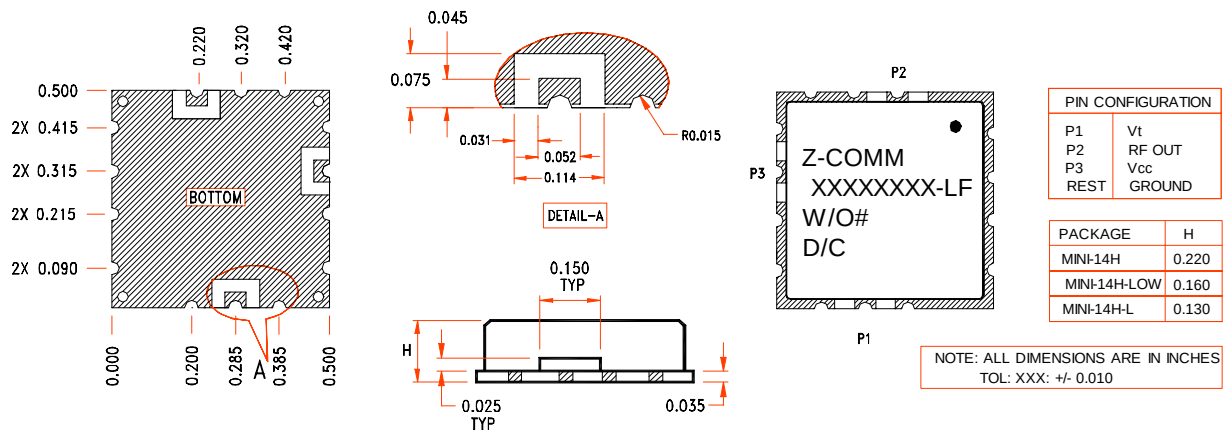
- AN-101: Mounting and Grounding
- AN-102: Output Loading
- AN-107: Manual Soldering



Performance Specifications	Min	Typ	Max	Units
Oscillation Frequency Range	3200		3400	MHz
Phase Noise @ 10 kHz offset (1 Hz BW)		-88		dBc/Hz
Harmonic Suppression (2nd)		-25		dBc
Tuning Voltage	0.5		4.5	Vdc
Tuning Sensitivity (avg.)		103		MHz/V
Power Output	4	6	8	dBm
Load Impedance		50		Ω
Input Capacitance			50	pF
Pushing			9	MHz/V
Pulling (14 dB Return Loss, Any Phase)			16	MHz
Operating Temperature Range	-40		85	$^{\circ}\text{C}$
Package Style		MINI-14H		

Power Supply Requirements	Min	Typ	Max	Units
Supply Voltage (Vcc, nom.)		5		Vdc
Supply Current (Icc)		18	21	mA

Additional Notes

Tuning Curve, typ.

Power Curve, typ.

Footprint

Physical Dimensions


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