

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

PHASE NOISE (1 Hz BW, typical)

## Voltage-Controlled Oscillator Surface Mount Module

### Applications

- Digital Radios
- Earthstations
- Satellite Modems

### Application Notes

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

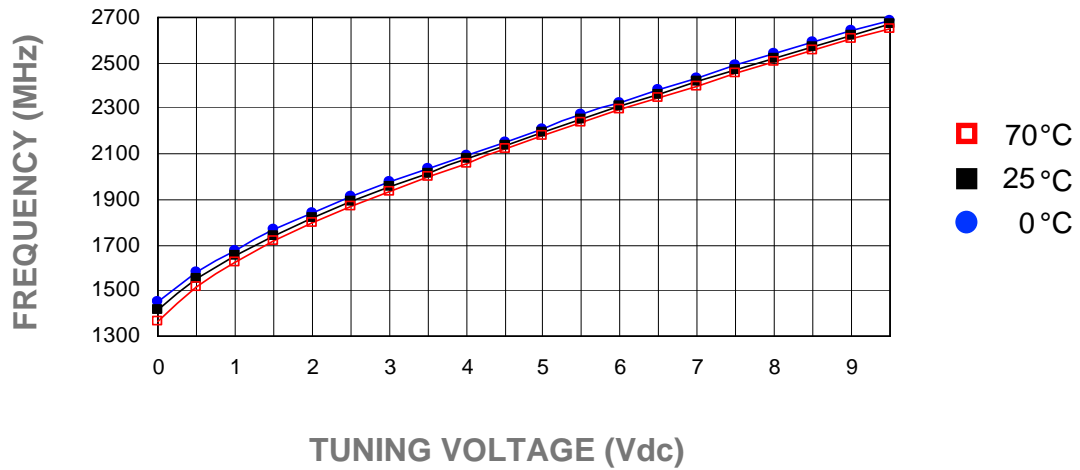


Performance Specifications	Min	Typ	Max	Units
Oscillation Frequency Range	2000		2500	MHz
Phase Noise @ 10 kHz offset (1 Hz BW)		-96		dBc/Hz
Harmonic Suppression (2nd)		-14	-10	dBc
Tuning Voltage	1		10	Vdc
Tuning Sensitivity (avg.)		107		MHz/V
Power Output	1	4.5	8	dBm
Load Impedance		50		$\Omega$
Input Capacitance			50	pF
Pushing			2	MHz/V
Pulling (12 dB Return Loss, Any Phase)			15	MHz
Operating Temperature Range	0		70	$^{\circ}\text{C}$
Package Style	MINI-14H-L			

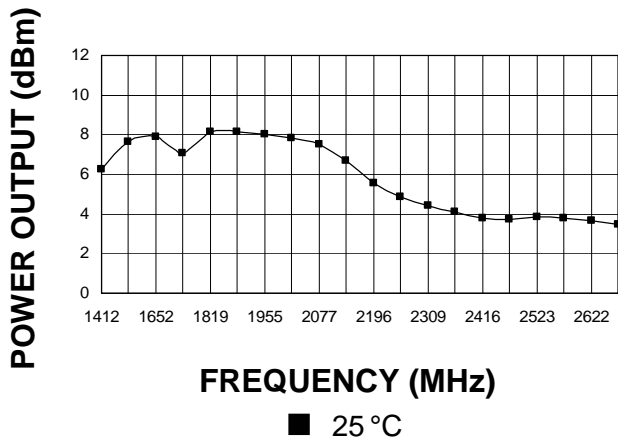
Power Supply Requirements	Min	Typ	Max	Units
Supply Voltage (Vcc, nom.)		10		Vdc
Supply Current (Icc)		13	16	mA

### Additional Notes

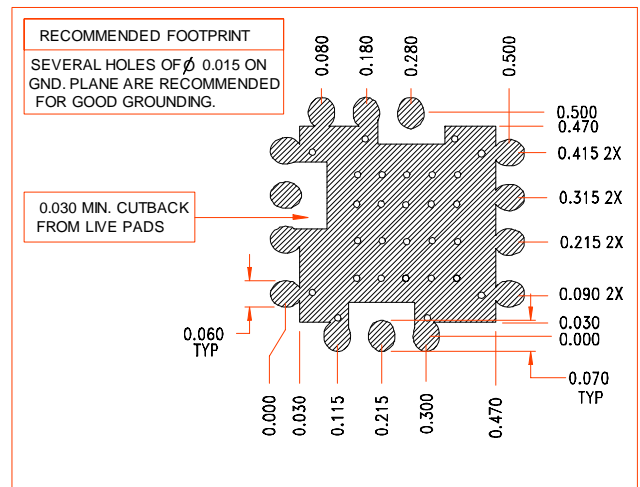
Tuning Curve, typ.



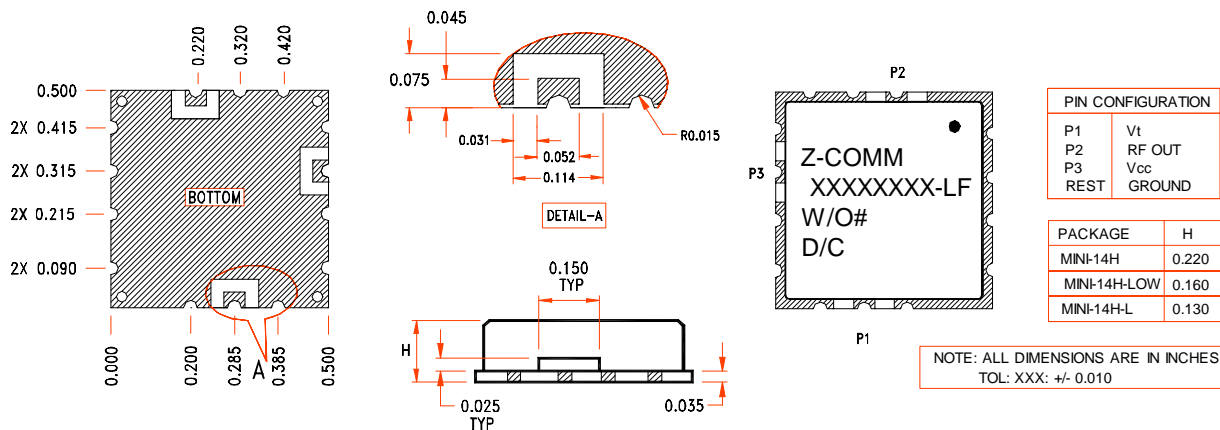
Power Curve, typ.



Footprint



Physical Dimensions



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