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## Voltage-Controlled Oscillator Surface Mount Module

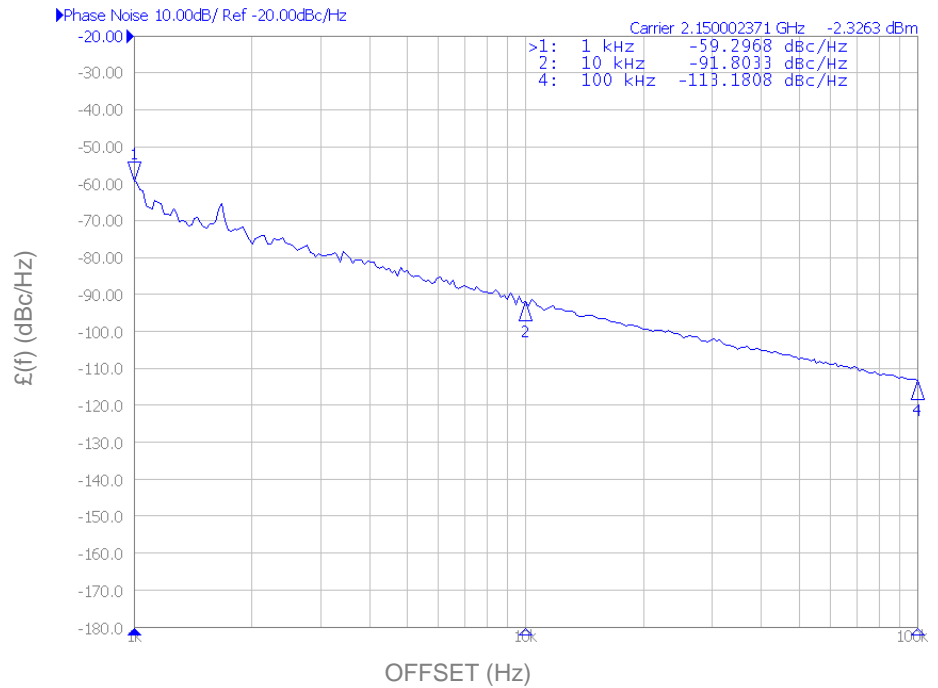
### Applications

- Digital Radios
- Earthstations
- Satellite Modems

### Application Notes

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

PHASE NOISE (1 Hz BW, typical)

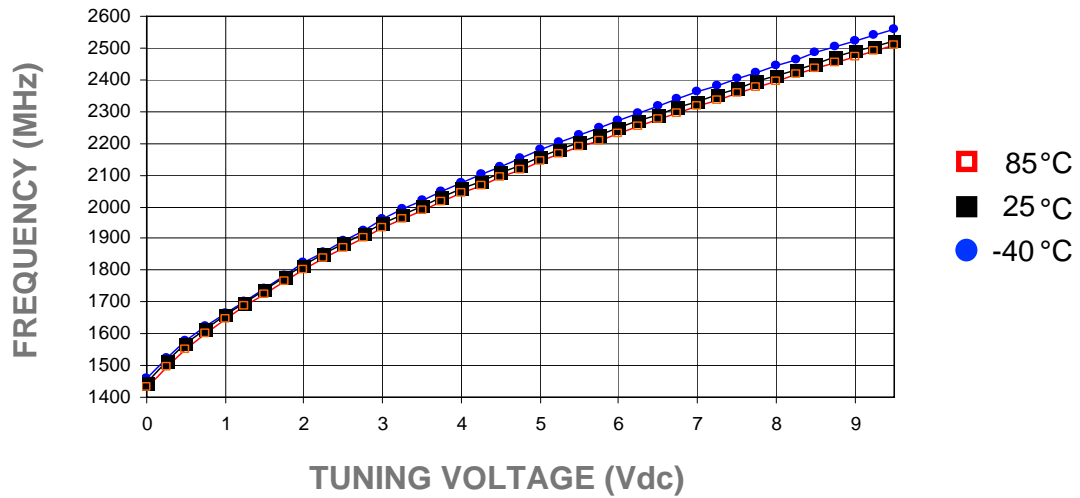


Performance Specifications	Min	Typ	Max	Units
Oscillation Frequency Range	1820		2480	MHz
Phase Noise @ 10 kHz offset (1 Hz BW)		-91		dBc/Hz
Harmonic Suppression (2nd)		-19	-6	dBc
Tuning Voltage	0.5		9.5	Vdc
Tuning Sensitivity (avg.)		98		MHz/V
Power Output	1	4.5	8	dBm
Load Impedance		50		$\Omega$
Input Capacitance			50	pF
Pushing			5	MHz/V
Pulling (12 dB Return Loss, Any Phase)			18	MHz
Operating Temperature Range	-40		85	$^{\circ}\text{C}$
Package Style		MINI-14H		

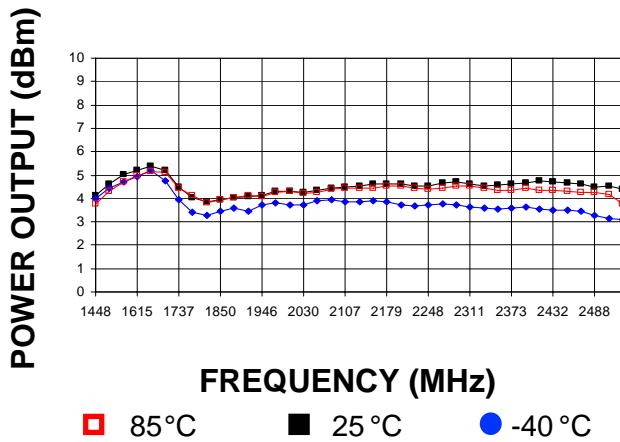
Power Supply Requirements	Min	Typ	Max	Units
Supply Voltage (Vcc, nom.)		10		Vdc
Supply Current (Icc)		13	16	mA

### Additional Notes

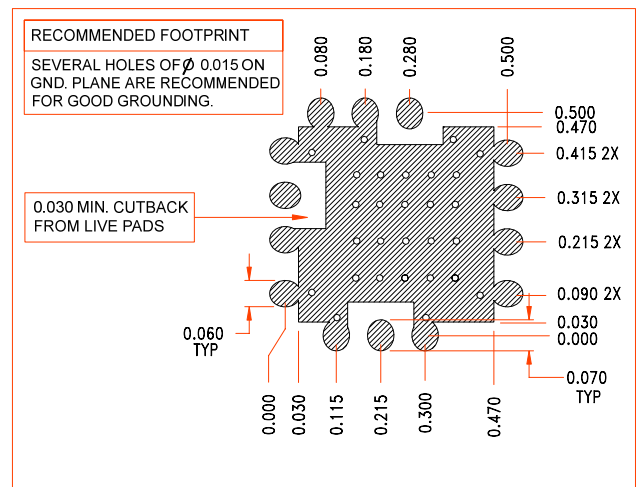
Tuning Curve, typ.



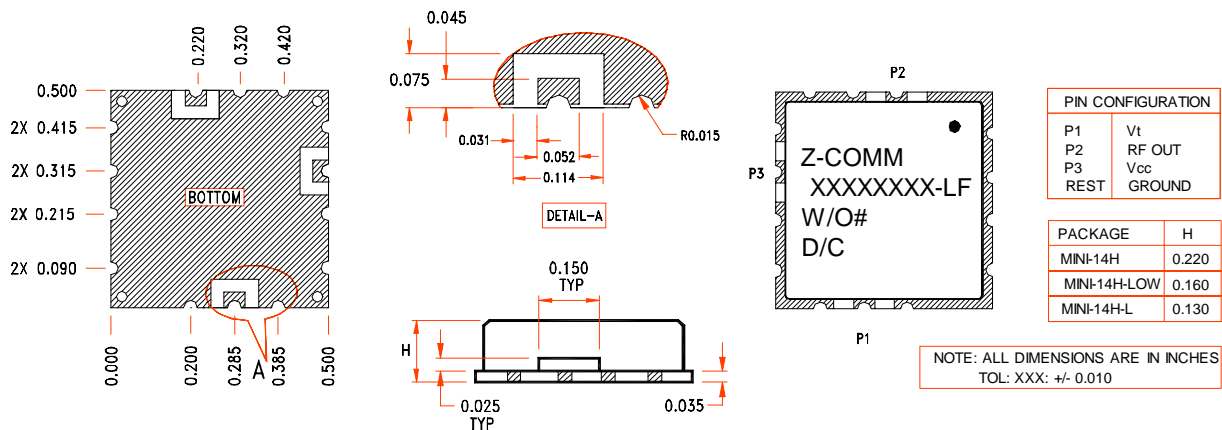
Power Curve, typ.



Footprint



Physical Dimensions



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