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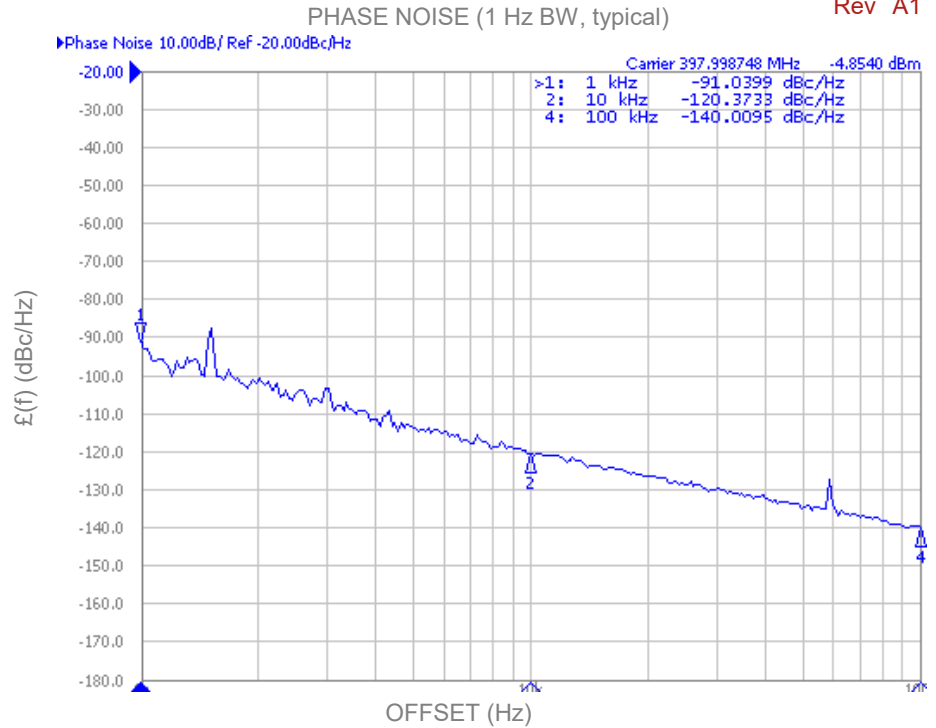
## Voltage-Controlled Oscillator Surface Mount Module

### Applications

Mobile Radios  
 RF Modems  
 Satellite Communications

### Application Notes

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

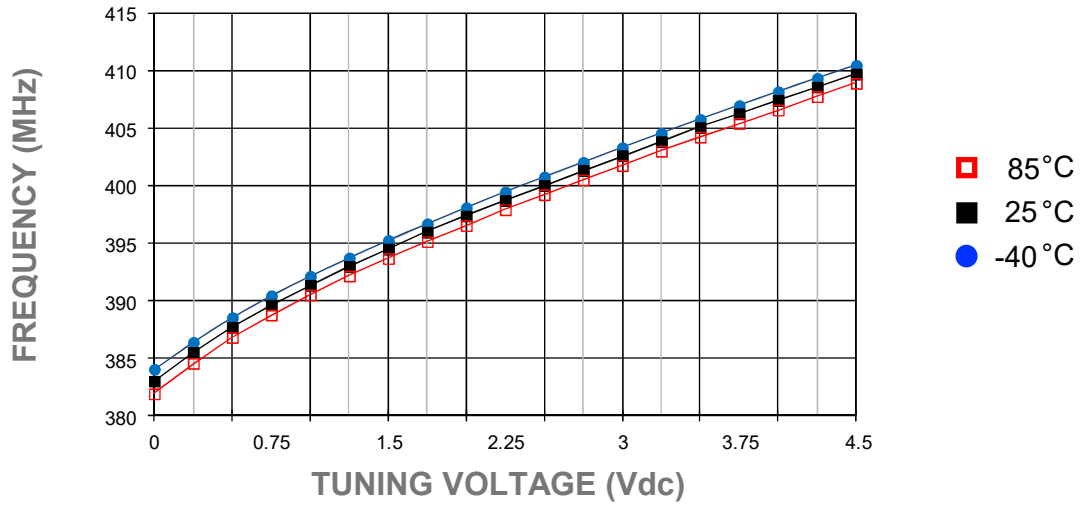


Performance Specifications	Min	Typ	Max	Units
Oscillation Frequency Range	390		406	MHz
Phase Noise @ 10 kHz offset (1 Hz BW)		-118		dBc/Hz
Harmonic Suppression (2nd)		-14		dBc
Tuning Voltage	0.5		4.5	Vdc
Tuning Sensitivity (avg.)		6		MHz/V
Power Output	-3	0	3	dBm
Load Impedance		50		$\Omega$
Input Capacitance			150	pF
Pushing			1	MHz/V
Pulling (14 dB Return Loss, Any Phase)			.5	MHz
Operating Temperature Range	-40		85	$^{\circ}\text{C}$
Package Style		MINI-16M-L		

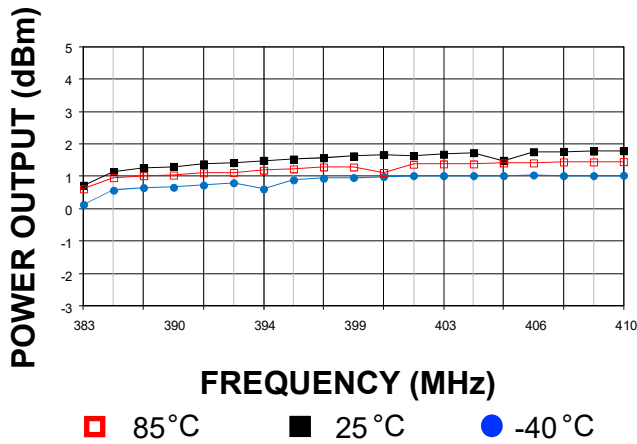
Power Supply Requirements	Min	Typ	Max	Units
Supply Voltage (Vcc, nom.)		4.7		Vdc
Supply Current (Icc)		16	19	mA

### Additional Notes

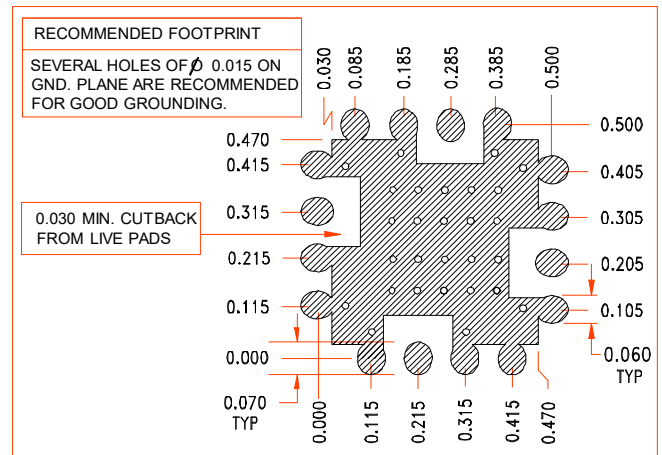
Tuning Curve, typ.



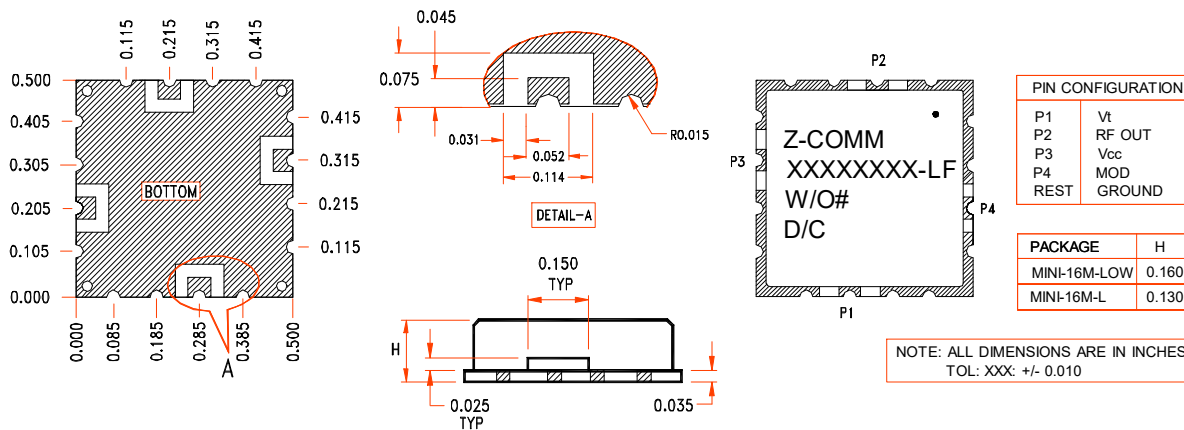
Power Curve, typ.



Footprint



Physical Dimensions



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