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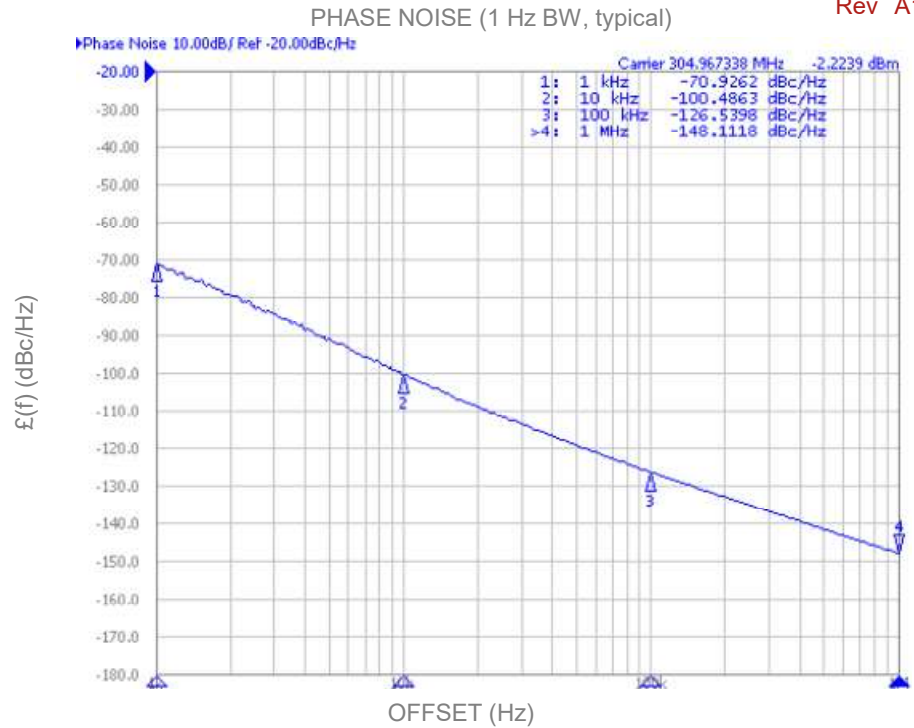
## Voltage-Controlled Oscillator Surface Mount Module

### Applications

Base stations  
 Mobile Radios  
 Test and Measurement

### Application Notes

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

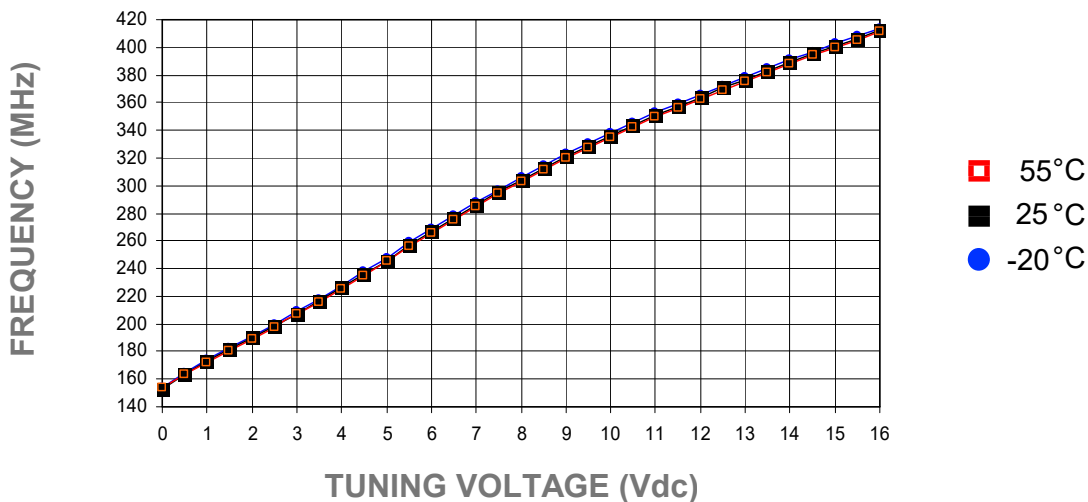


Performance Specifications	Min	Typ	Max	Units
Oscillation Frequency Range	200		410	MHz
Phase Noise @ 10 kHz offset (1 Hz BW)		-95		dBc/Hz
Harmonic Suppression (2nd)		-20	-10	dBc
Tuning Voltage	1		16	Vdc
Tuning Sensitivity (avg.)		16		MHz/V
Power Output	0	3	6	dBm
Load Impedance		50		$\Omega$
Input Capacitance			250	pF
Pushing			.5	MHz/V
Pulling (12 dB Return Loss, Any Phase)			.5	MHz
Operating Temperature Range	-20		55	$^{\circ}\text{C}$
Package Style		MINI-14S		

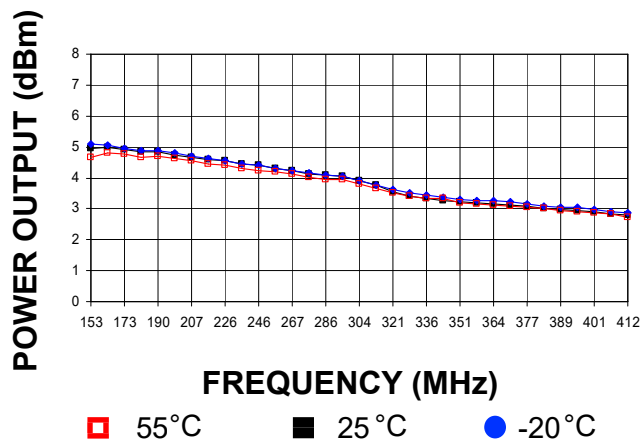
Power Supply Requirements	Min	Typ	Max	Units
Supply Voltage (Vcc, nom.)		10		Vdc
Supply Current (Icc)		16	21	mA

### Additional Notes

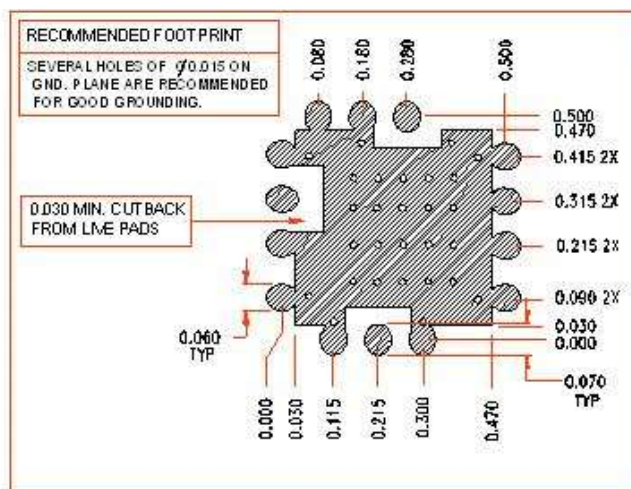
Tuning Curve, typ.



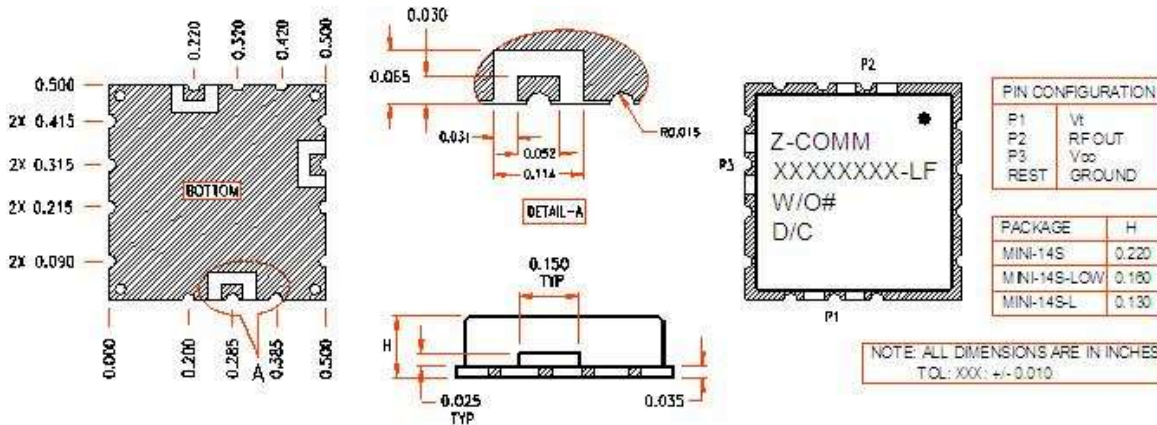
Power Curve, typ.



Footprint



Physical Dimensions



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