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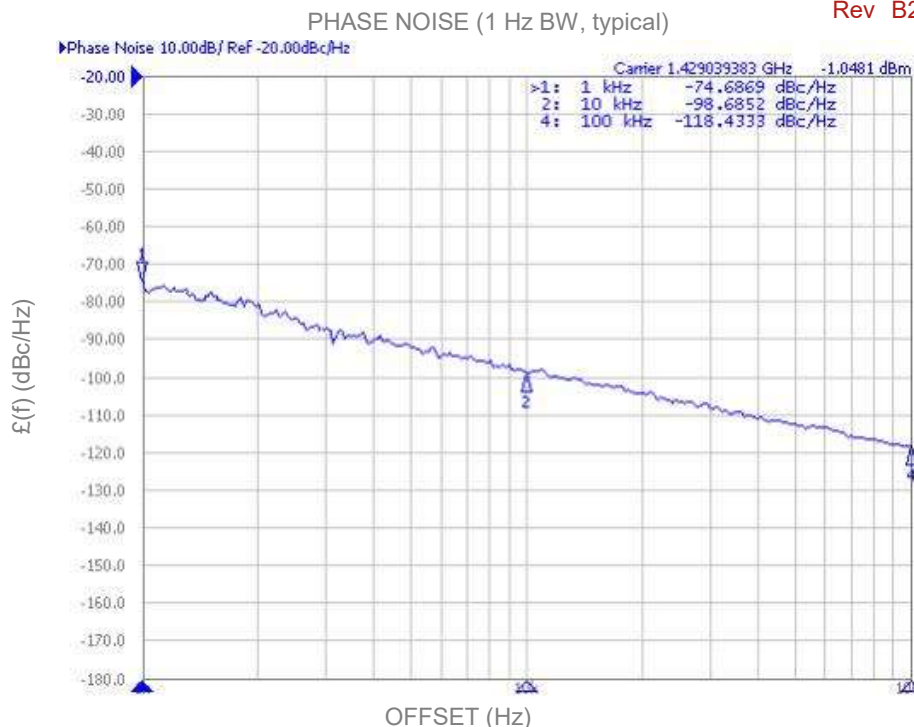
Voltage-Controlled Oscillator Surface Mount Module

Applications

PCS Handhelds
 Portable Receivers
 Mobile Radios

Application Notes

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



Performance Specifications	Min	Typ	Max	Units
Oscillation Frequency Range	1384		1429	MHz
Phase Noise @ 10 kHz offset (1 Hz BW)		-99		dBc/Hz
Harmonic Suppression (2nd)		-11	-5	dBc
Tuning Voltage	0.4		2.1	Vdc
Tuning Sensitivity (avg.)		60		MHz/V
Power Output	3	5	7	dBm
Load Impedance		50		Ω
Input Capacitance			50	pF
Pushing			2	MHz/V
Pulling (20. dB Return Loss, Any Phase)			7	MHz
Operating Temperature Range	-40		85	$^{\circ}\text{C}$
Package Style		SUB-L		

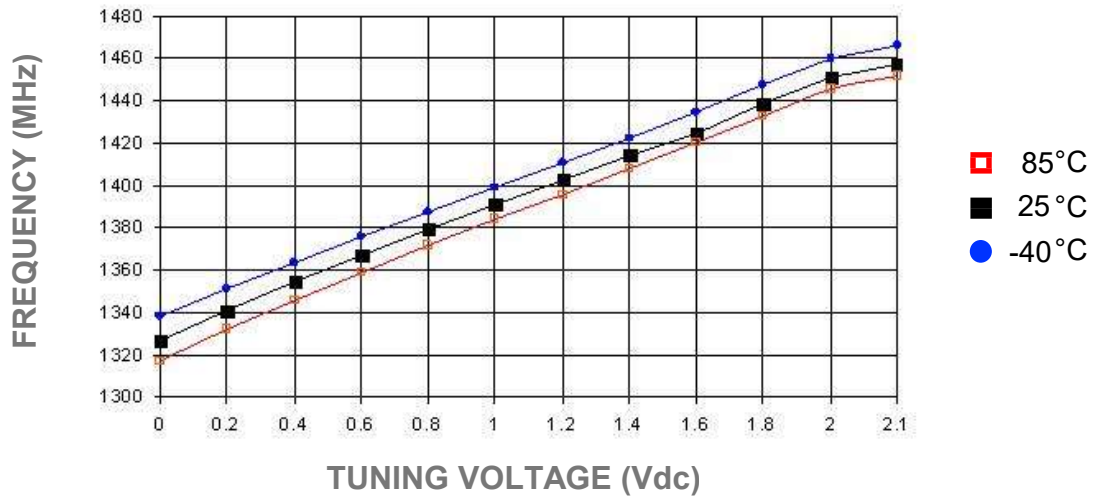
Power Supply Requirements	Min	Typ	Max	Units
Supply Voltage (Vcc, nom.)		3		Vdc
Supply Current (Icc)		11	15	mA

Additional Notes

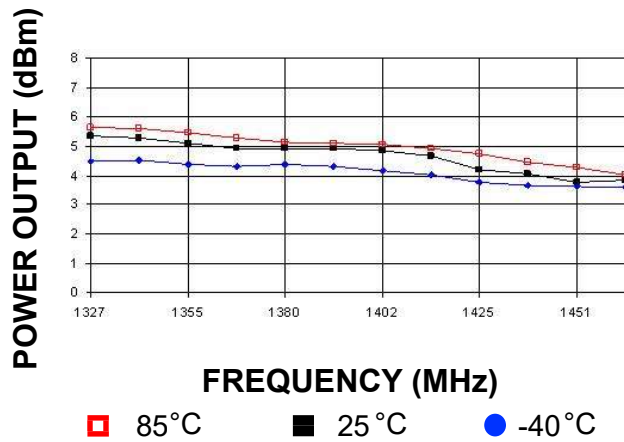
Supply Voltage: 2.85V (min) / 3.0V (typ) / 3.15V (max)
 Phase Noise: 1 kHz = -70dBc/Hz
 10 kHz = -99dBc/Hz
 100kHz = -119dBc/Hz
 1000 kHz = -139dBc/Hz

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

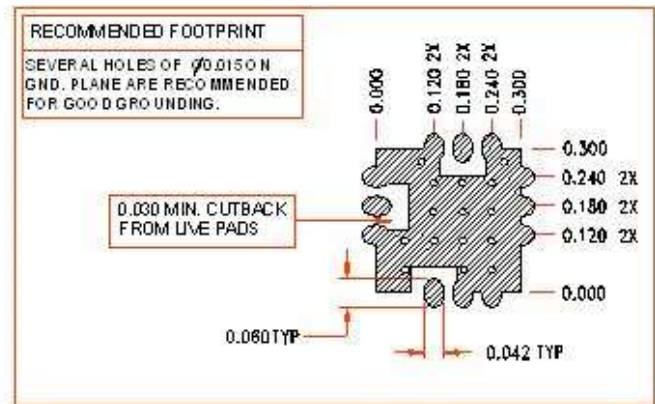
Tuning Curve, typ.



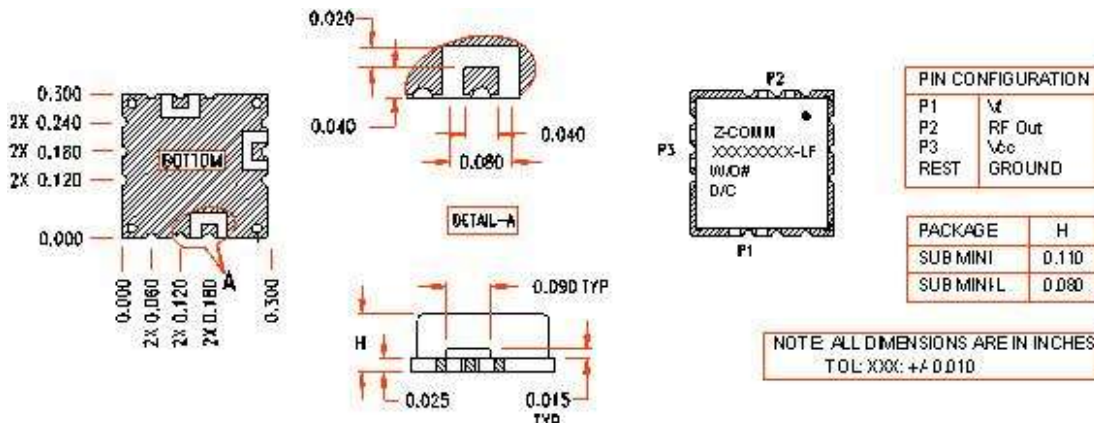
Power Curve, typ.



Footprint



Physical Dimensions



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