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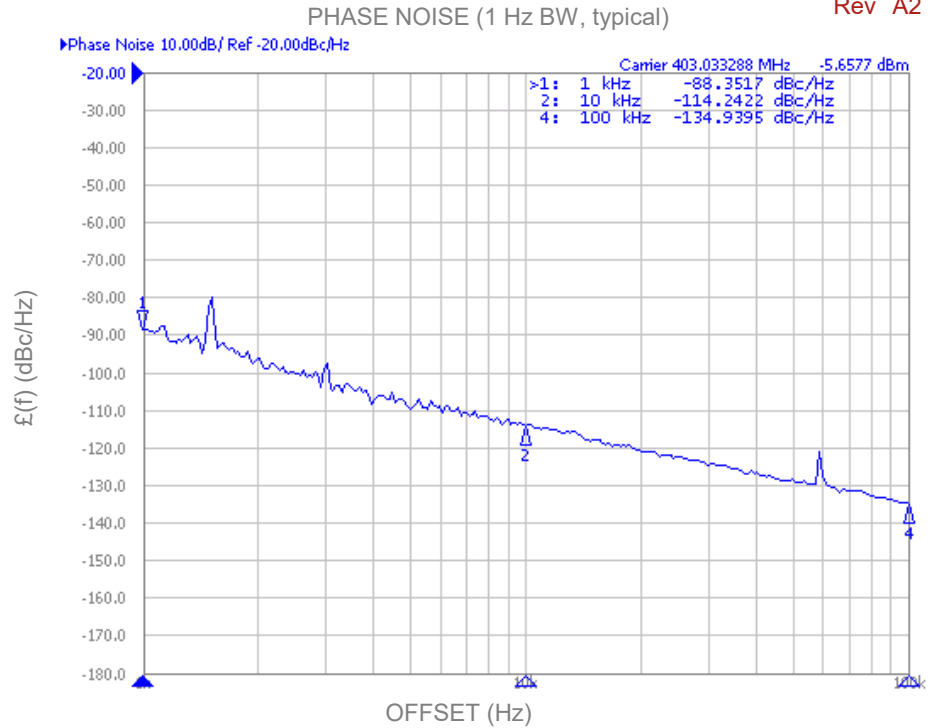
Voltage-Controlled Oscillator Surface Mount Module

Applications

Mobile Radio
 Point to Multi Point

Application Notes

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



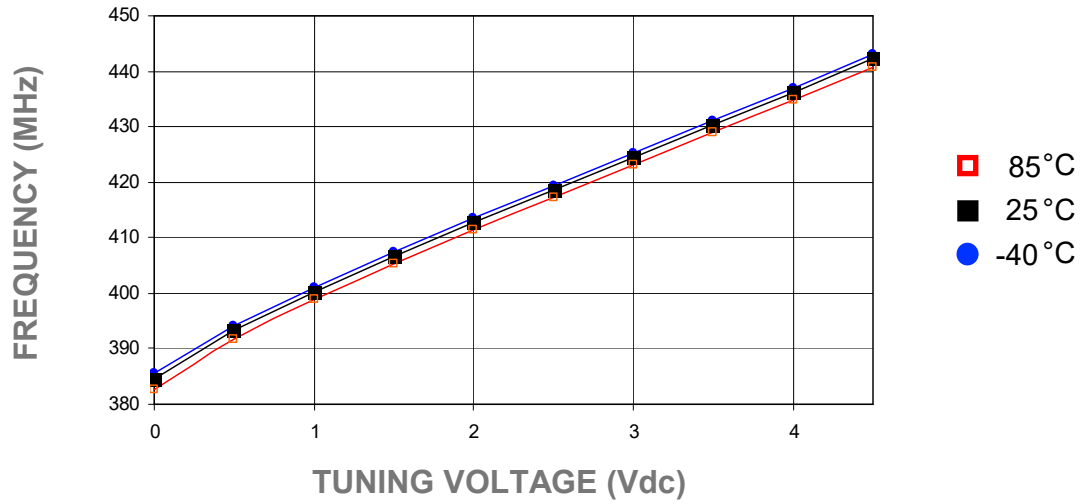
Performance Specifications	Min	Typ	Max	Units
Oscillation Frequency Range	403		433	MHz
Phase Noise @ 10 kHz offset (1 Hz BW)		-114		dBc/Hz
Harmonic Suppression (2nd)		-14		dBc
Tuning Voltage	0.5		4.5	Vdc
Tuning Sensitivity (avg.)		12		MHz/V
Power Output	-3	0	3	dBm
Load Impedance		50		Ω
Input Capacitance			150	pF
Pushing			1	MHz/V
Pulling (14 dB Return Loss, Any Phase)			1	MHz
Operating Temperature Range	-40		85	$^{\circ}\text{C}$
Package Style	MINI-16M-LOW			

Power Supply Requirements	Min	Typ	Max	Units
Supply Voltage (Vcc, nom.)		5		Vdc
Supply Current (Icc)		13	15	mA

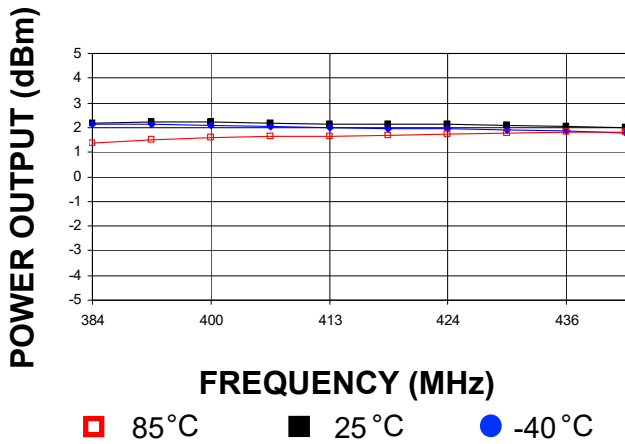
Additional Notes

MODULATION SENSITIVITY (KHz/V) 3.89 KHz/V (AVG) @ 418MHz
 MAGNITUDE 1.0V pp
 DC OFFSET 2.5V

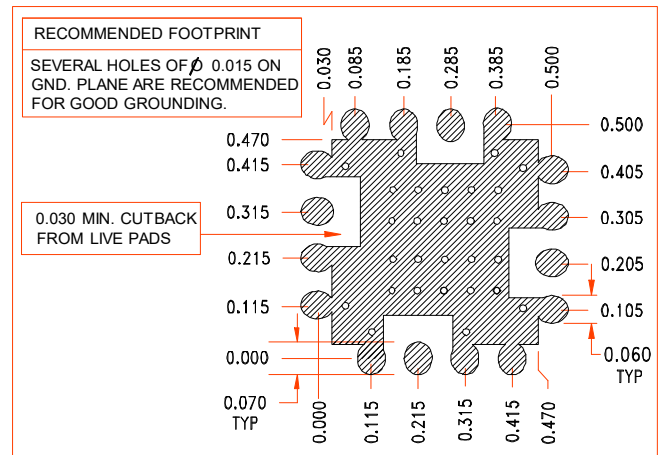
Tuning Curve, typ.



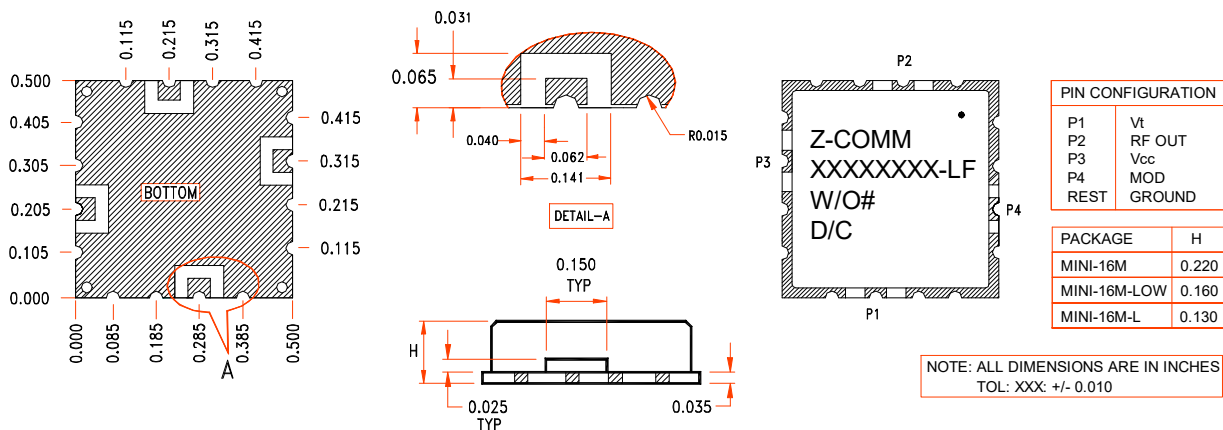
Power Curve, typ.



Footprint



Physical Dimensions



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