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Voltage-Controlled Oscillator Surface Mount Module

Applications

Digital Radios
 Fixed Wireless

Application Notes

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



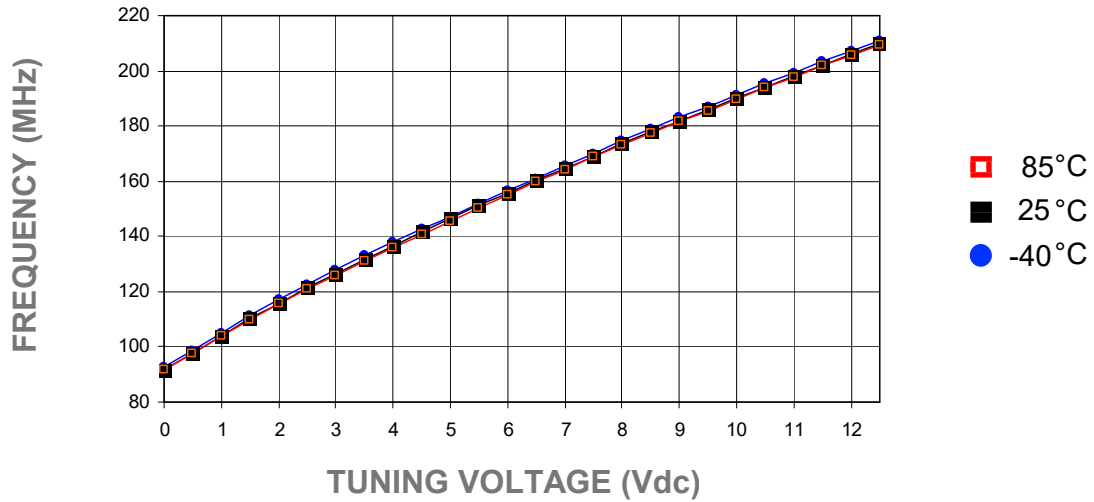
Performance Specifications	Min	Typ	Max	Units
Oscillation Frequency Range	100		200	MHz
Phase Noise @ 10 kHz offset (1 Hz BW)		-114		dBc/Hz
Harmonic Suppression (2nd)		-13	-11	dBc
Tuning Voltage	0		12.5	Vdc
Tuning Sensitivity (avg.)		10		MHz/V
Power Output	3	6	9	dBm
Load Impedance		50		Ω
Input Capacitance			95000	pF
Pushing			.5	MHz/V
Pulling (14 dB Return Loss, Any Phase)			.5	MHz
Operating Temperature Range	-40		85	$^{\circ}\text{C}$
Package Style		MINI-16		

Power Supply Requirements	Min	Typ	Max	Units
Supply Voltage (Vcc, nom.)		5		Vdc
Supply Current (Icc)		19	23	mA

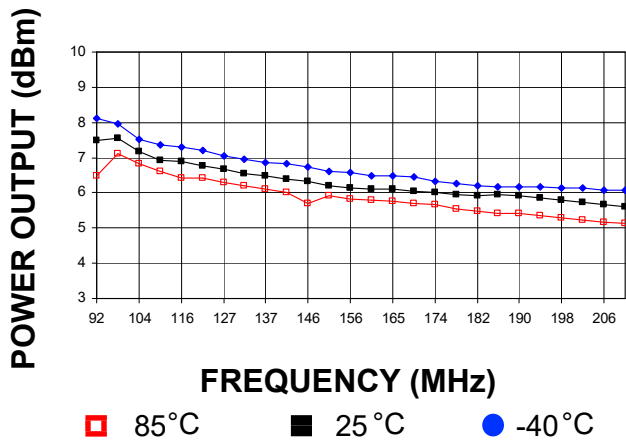
Additional Notes

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

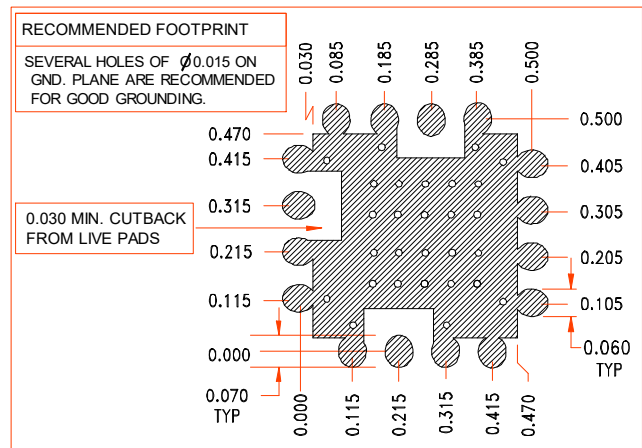
Tuning Curve, typ.



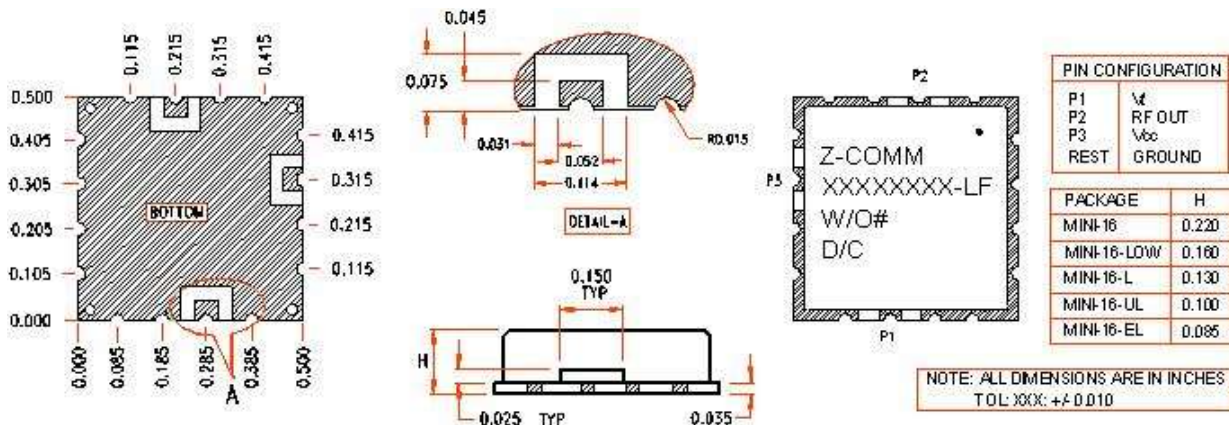
Power Curve, typ.



Footprint



Physical Dimensions



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