

TEL: (858) 621-2700
 URL: www.zcomm.com
 EMAIL: applications@zcomm.com

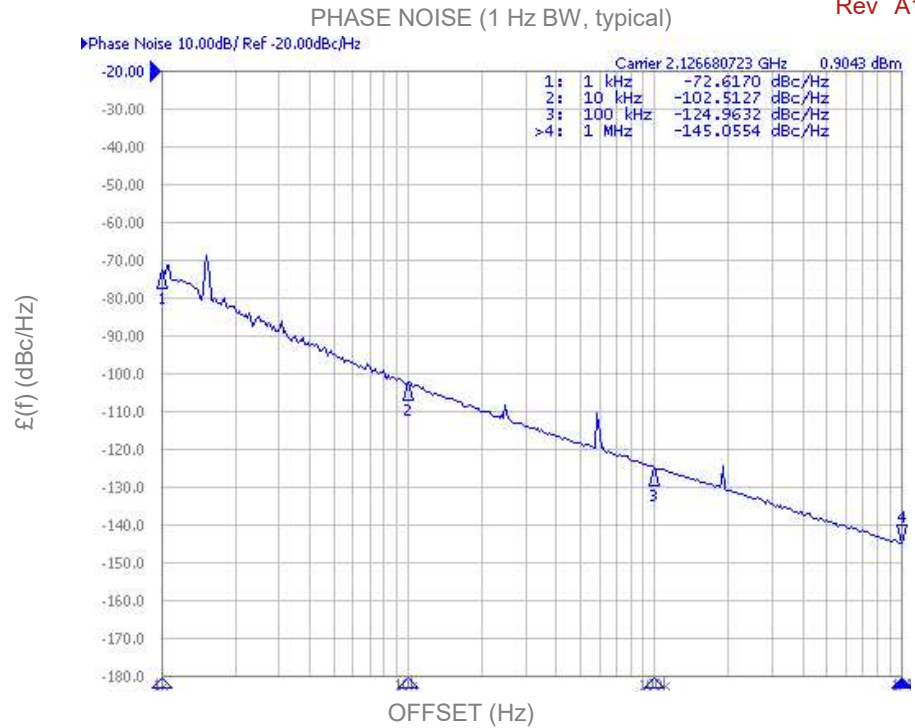
Voltage-Controlled Oscillator Surface Mount Module

Applications

Digital Radio Equipment
 Fixed Wireless Access
 Satellite Communication Systems

Application Notes

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



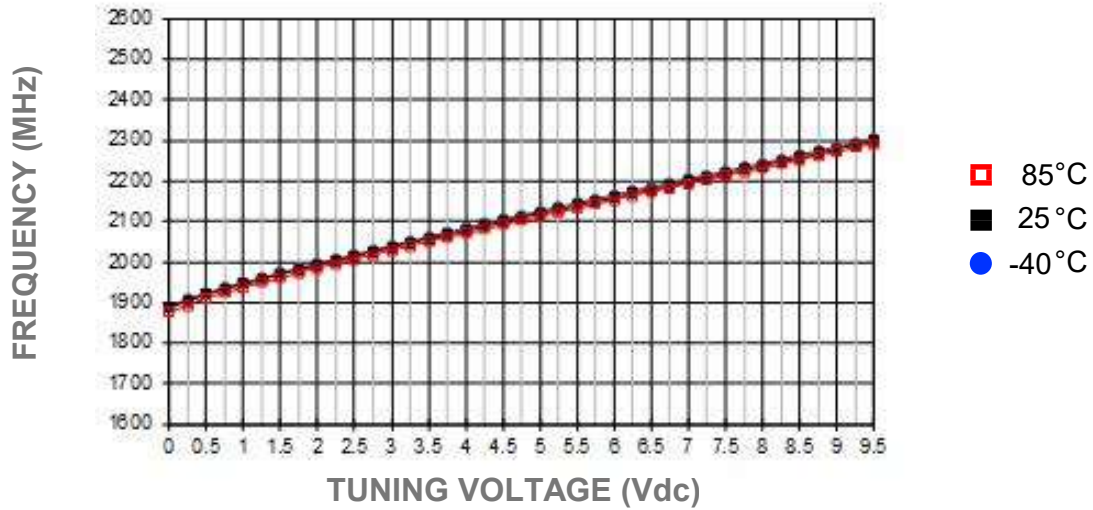
Performance Specifications	Min	Typ	Max	Units
Oscillation Frequency Range	1975		2275	MHz
Phase Noise @ 10 kHz offset (1 Hz BW)		-103		dBc/Hz
Harmonic Suppression (2nd)		-20	-17	dBc
Tuning Voltage	1		9.5	Vdc
Tuning Sensitivity (avg.)		35		MHz/V
Power Output	4	7	10	dBm
Load Impedance		50		Ω
Input Capacitance			50	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-16		

Power Supply Requirements	Min	Typ	Max	Units
Supply Voltage (Vcc, nom.)		8		Vdc
Supply Current (Icc)		27	33	mA

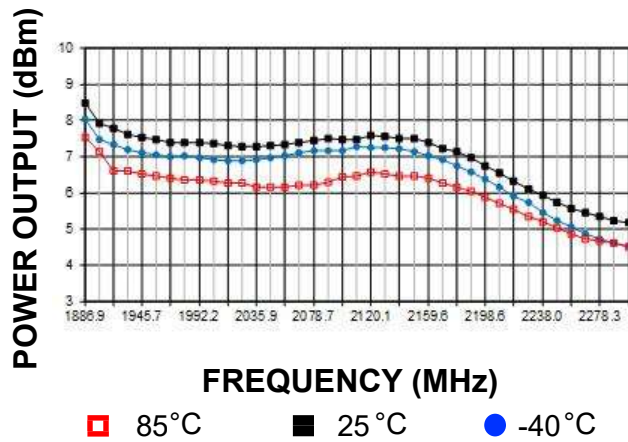
Additional Notes

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

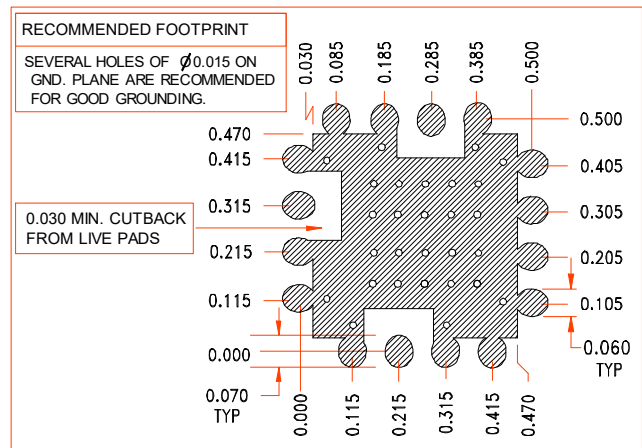
Tuning Curve, typ.



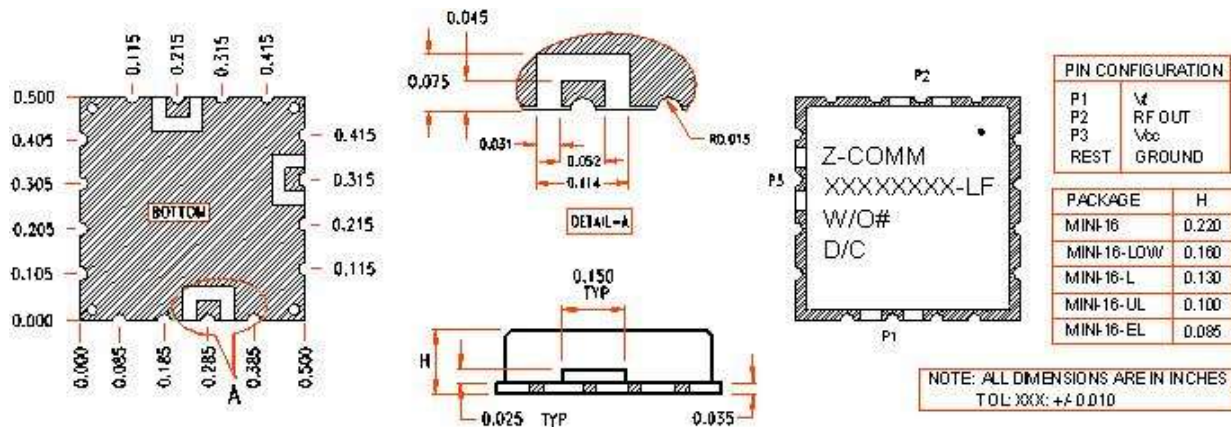
Power Curve, typ.



Footprint



Physical Dimensions



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