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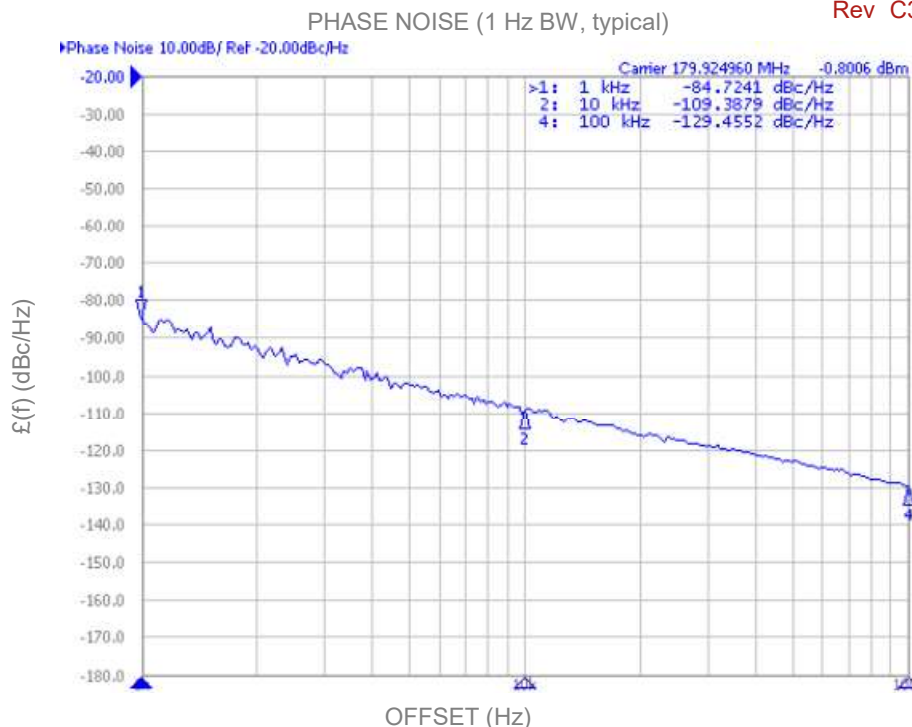
Voltage-Controlled Oscillator Surface Mount Module

Applications

RF Modems
Earthstations
Mobile Radios

Application Notes

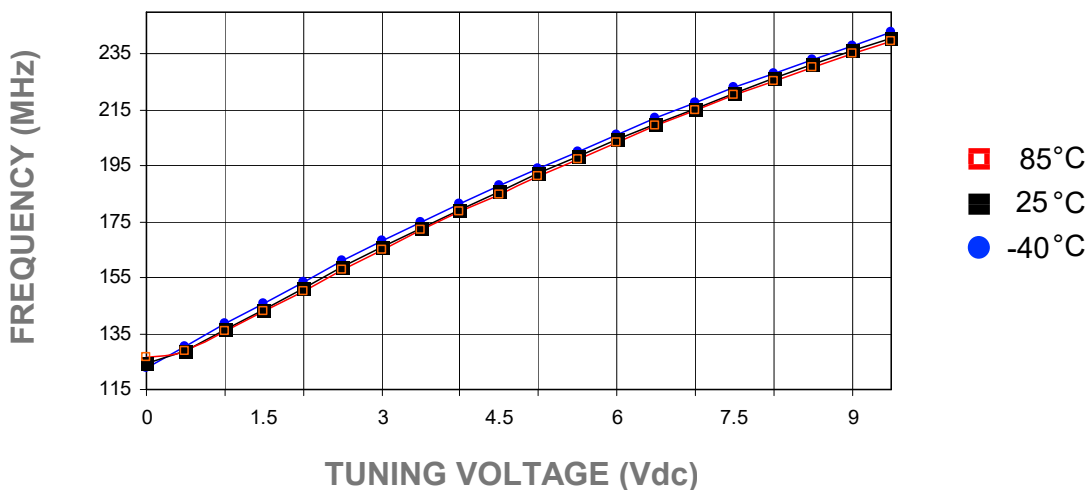
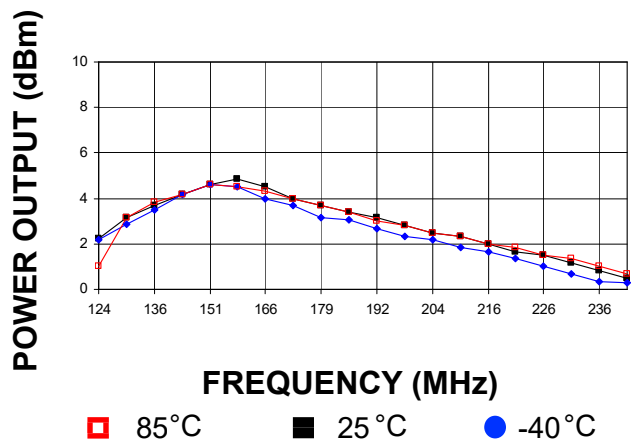
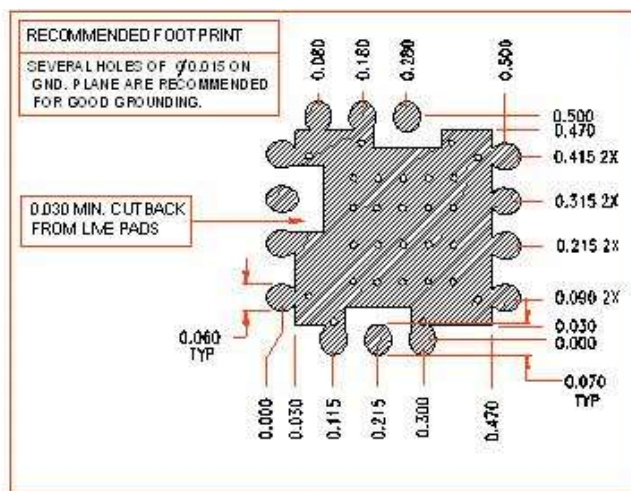
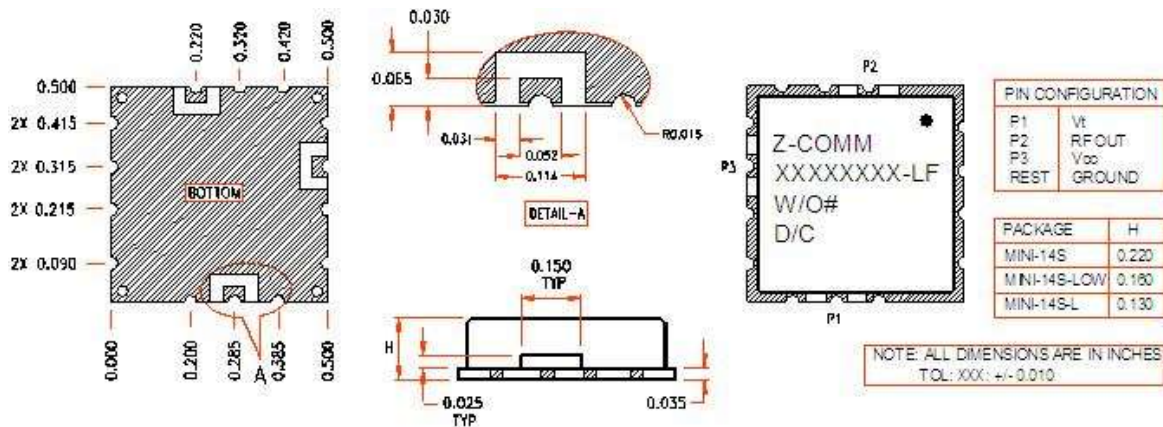
AN-101: Mounting and Grounding
AN-102: Output Loading
AN-107: Manual Soldering



Performance Specifications	Min	Typ	Max	Units
Oscillation Frequency Range	145		215	MHz
Phase Noise @ 10 kHz offset (1 Hz BW)		-109		dBc/Hz
Harmonic Suppression (2nd)		-10		dBc
Tuning Voltage	1		9.5	Vdc
Tuning Sensitivity (avg.)		12		MHz/V
Power Output	0	4	8	dBm
Load Impedance		50		Ω
Input Capacitance			550	pF
Pushing			2	MHz/V
Pulling (12 dB Return Loss, Any Phase)			1	MHz
Operating Temperature Range	-40		85	$^{\circ}\text{C}$
Package Style		MINI-14S		

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

Additional Notes

Tuning Curve, typ.

Power Curve, typ.

Footprint

Physical Dimensions


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