

Voltage-Controlled Oscillator Surface Mount Module

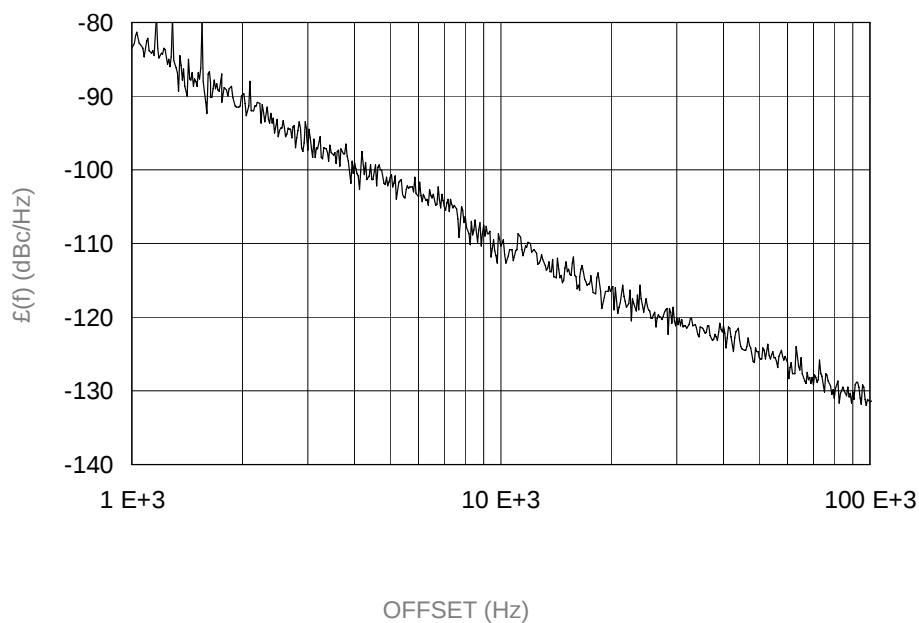
Applications

- VHF Radios
- Test Instrumentation
- Mobile Radios

Application Notes

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

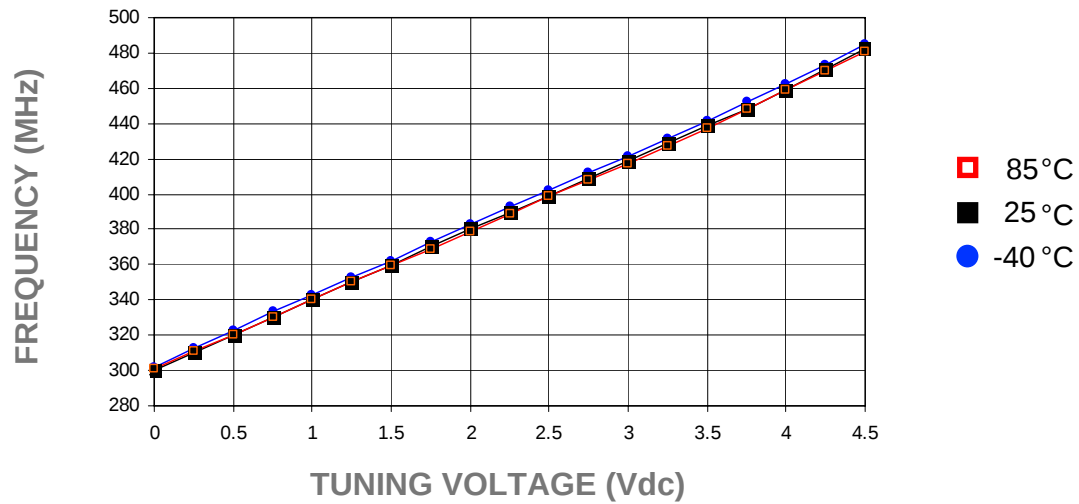
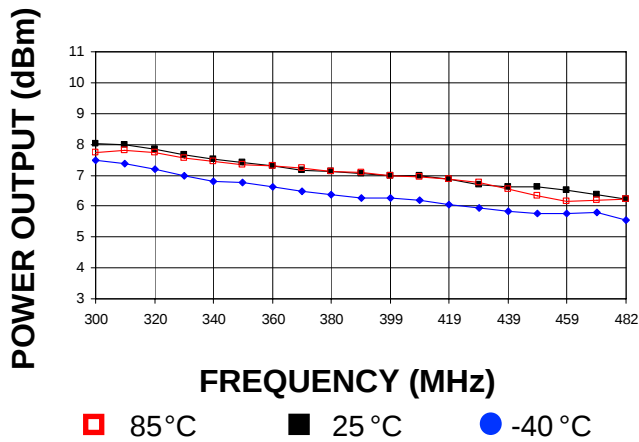
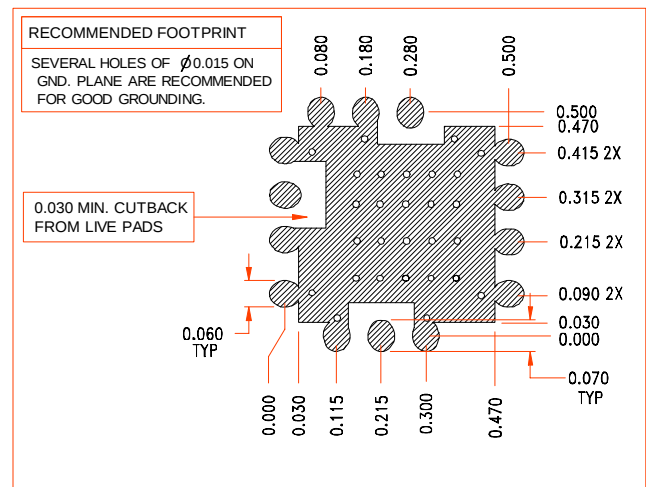
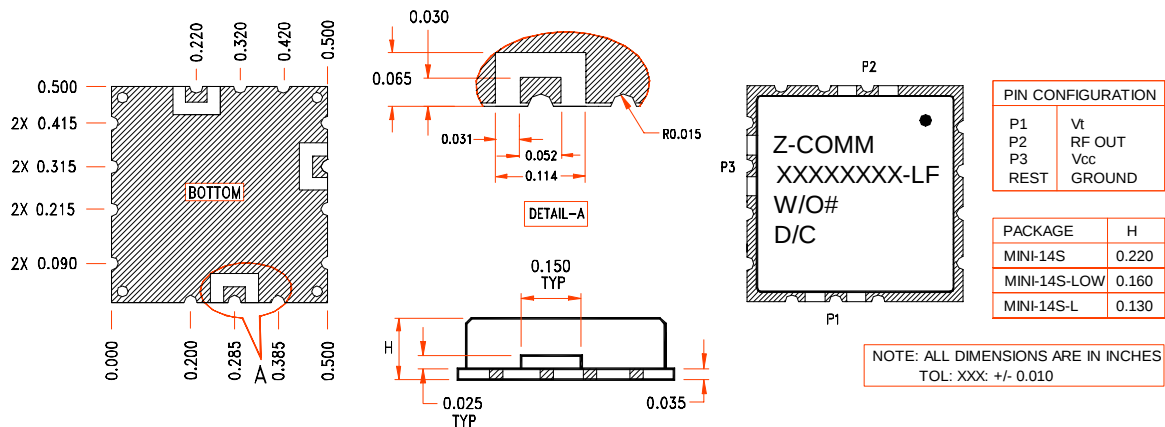
PHASE NOISE (1 Hz BW, typical)



Performance Specifications	Min	Typ	Max	Units
Oscillation Frequency Range	370		460	MHz
Phase Noise @ 10 kHz offset (1 Hz BW)		-107		dBc/Hz
Harmonic Suppression (2nd)		-8	-6	dBc
Tuning Voltage	0.5		4.5	Vdc
Tuning Sensitivity (avg.)		39		MHz/V
Power Output	4	7.5	11	dBm
Load Impedance		50		Ω
Input Capacitance			250	pF
Pushing			1	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)		15	18	mA

Additional Notes

Tuning Curve, typ.

Power Curve, typ.

Footprint

Physical Dimensions


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