

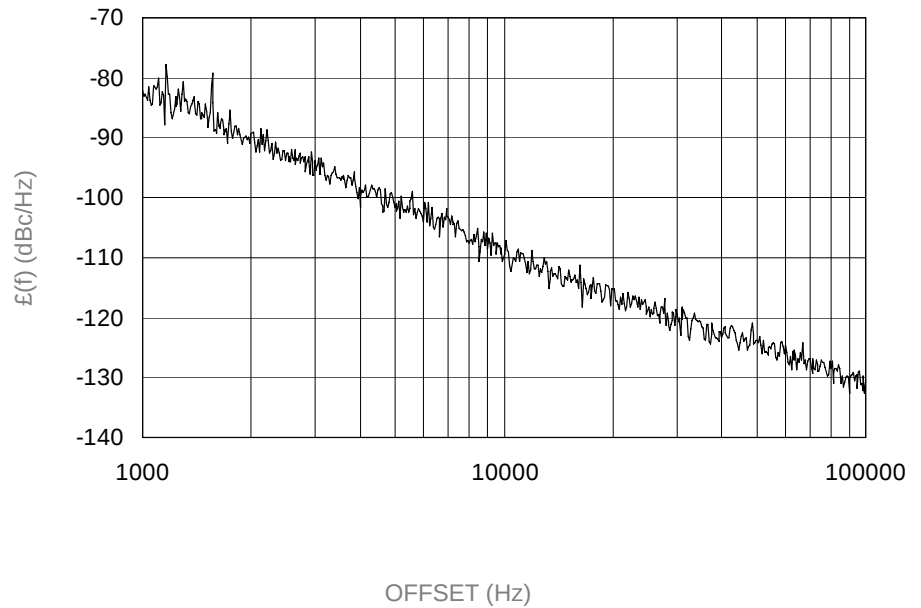
Voltage-Controlled Oscillator Surface Mount Module

Applications

- Basestations
- Portable Radios
- Mobile Communications

Application Notes

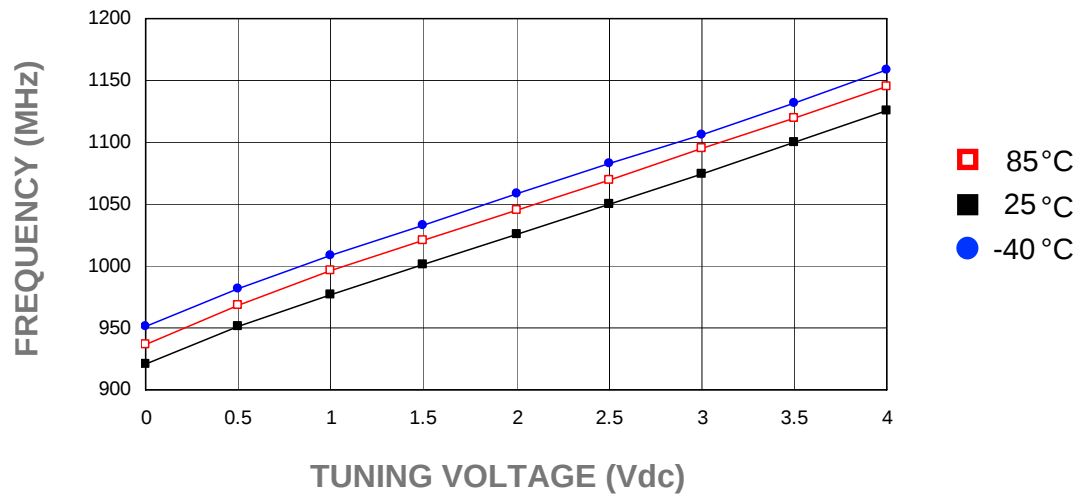
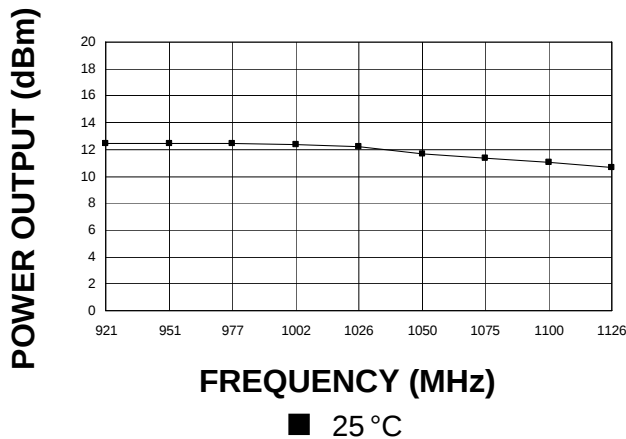
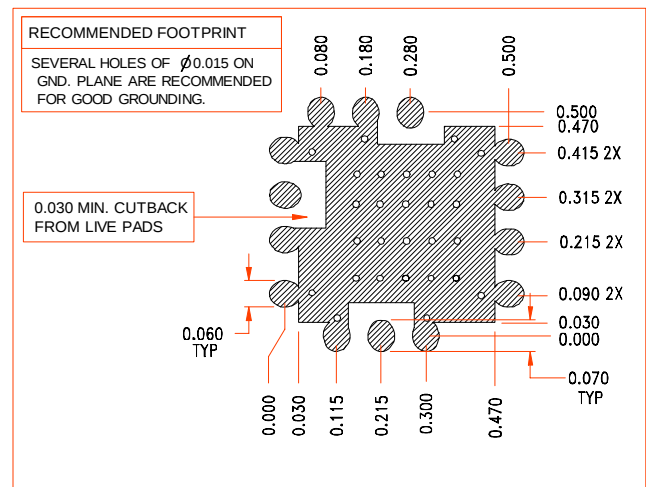
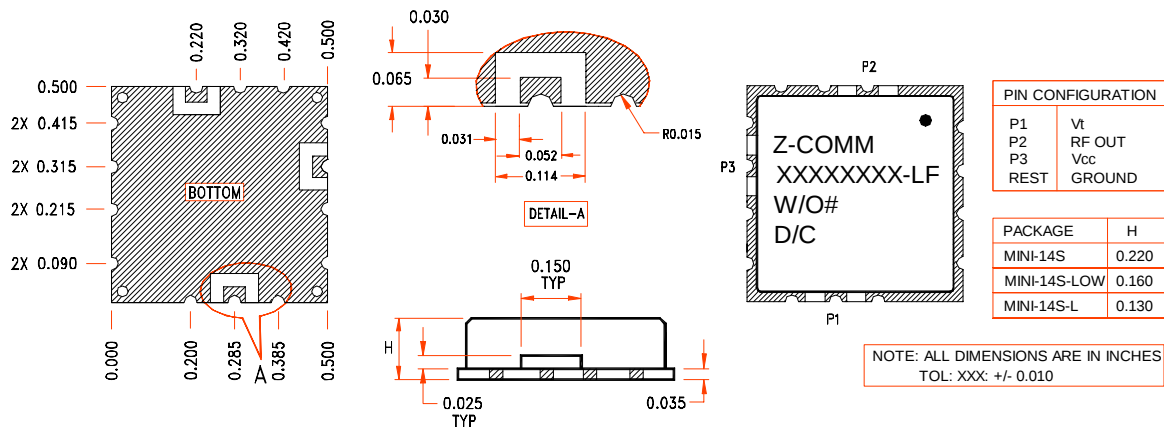
- AN-101: Mounting and Grounding
- AN-102: Output Loading
- AN-107: Manual Soldering



Performance Specifications	Min	Typ	Max	Units
Oscillation Frequency Range	1020		1100	MHz
Phase Noise @ 10 kHz offset (1 Hz BW)		-107		dBc/Hz
Harmonic Suppression (2nd)		-19		dBc
Tuning Voltage	1		4	Vdc
Tuning Sensitivity (avg.)		47		MHz/V
Power Output	8	11	14	dBm
Load Impedance		50		Ω
Input Capacitance			50	pF
Pushing			1	MHz/V
Pulling (14 dB Return Loss, Any Phase)			3	MHz
Operating Temperature Range	-40		85	$^{\circ}\text{C}$
Package Style	MINI-14S-L			

Power Supply Requirements	Min	Typ	Max	Units
Supply Voltage (Vcc, nom.)		5		Vdc
Supply Current (Icc)		32	40	mA

Additional Notes

Tuning Curve, typ.

Power Curve, typ.

Footprint

Physical Dimensions


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