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Voltage-Controlled Oscillator Surface Mount Module

Applications

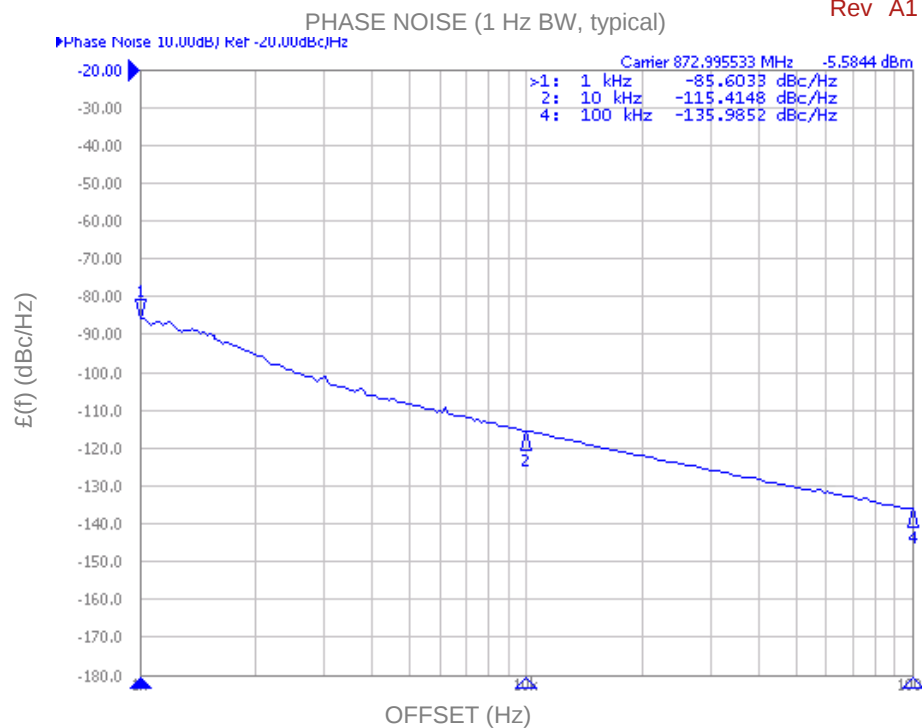
- Spread Spectrum Radios
- Earthstations
- Downconvertors

Application Notes

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

CLV0868E-LF

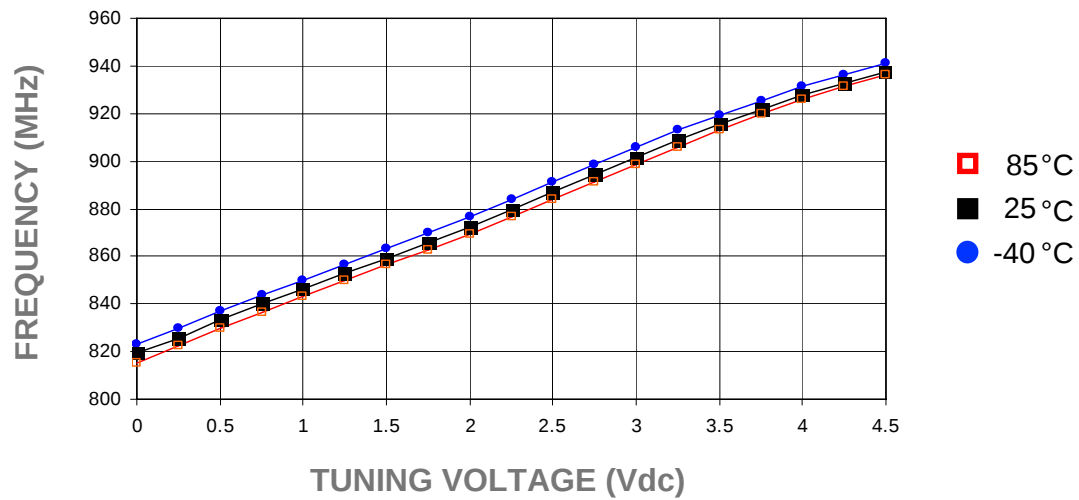
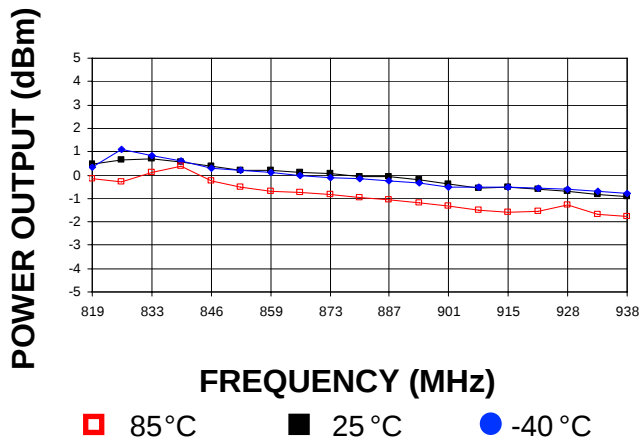
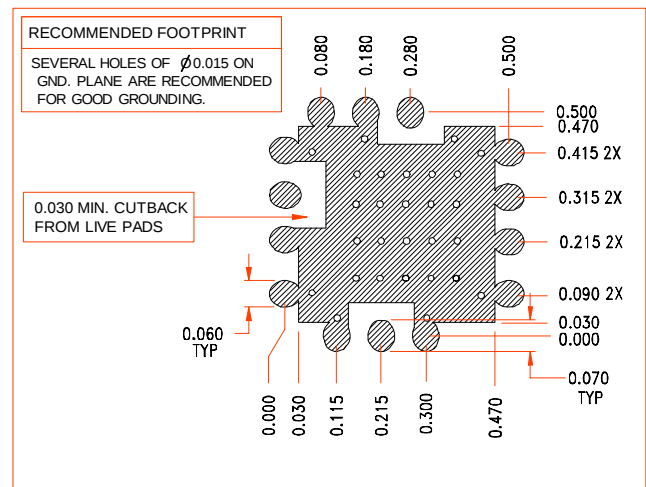
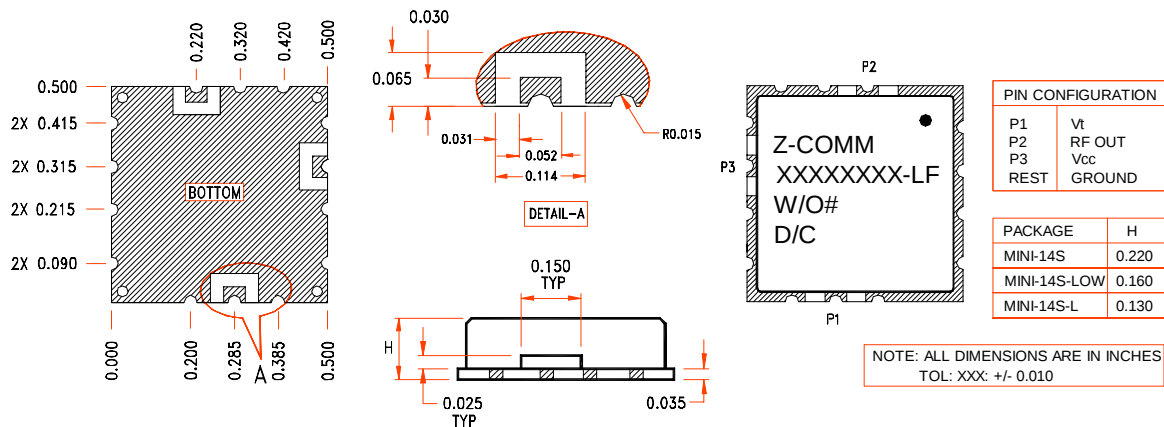
Rev A1



Performance Specifications	Min	Typ	Max	Units
Oscillation Frequency Range	850		896	MHz
Phase Noise @ 10 kHz offset (1 Hz BW)		-111		dBc/Hz
Harmonic Suppression (2nd)		-20	-18	dBc
Tuning Voltage	0.5		4.5	Vdc
Tuning Sensitivity (avg.)		25		MHz/V
Power Output	-3.5	-1.25	1	dBm
Load Impedance		50		Ω
Input Capacitance			150	pF
Pushing			.6	MHz/V
Pulling (14 dB Return Loss, Any Phase)			.2	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)		20	24	mA

Additional Notes

Tuning Curve, typ.

Power Curve, typ.

Footprint

Physical Dimensions


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