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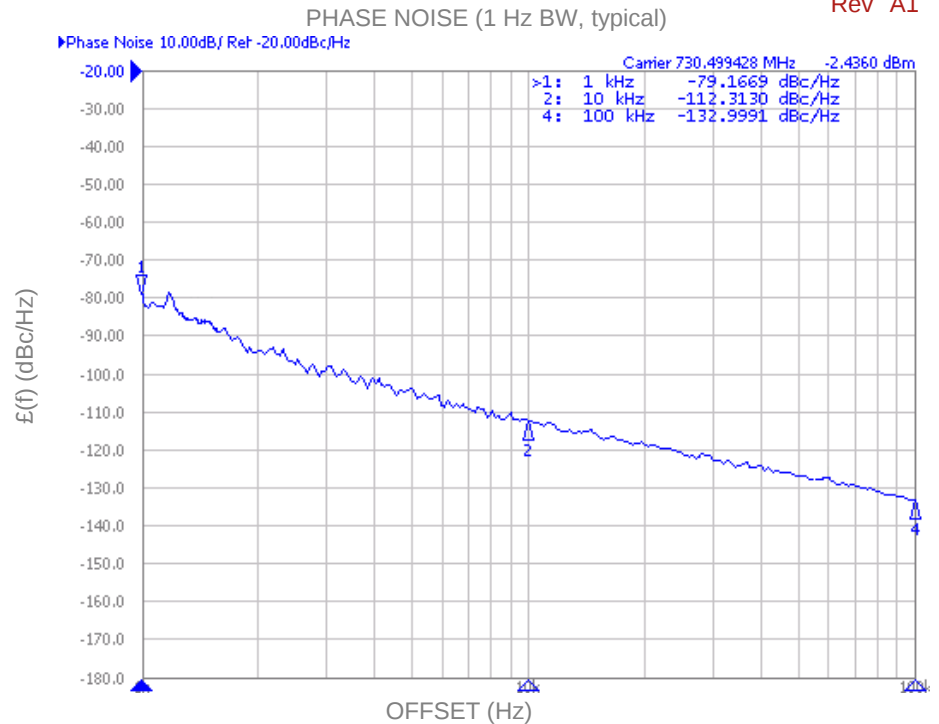
Voltage-Controlled Oscillator Surface Mount Module

Applications

- VSAT Modems
- Basestation
- Digital Radios

Application Notes

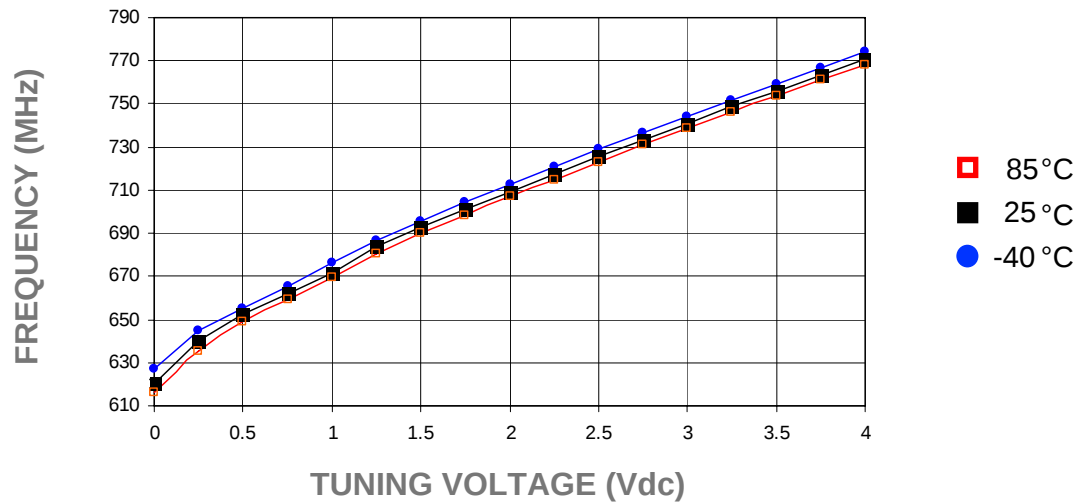
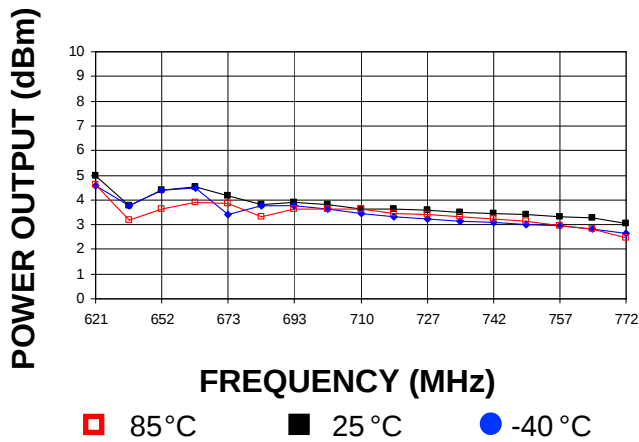
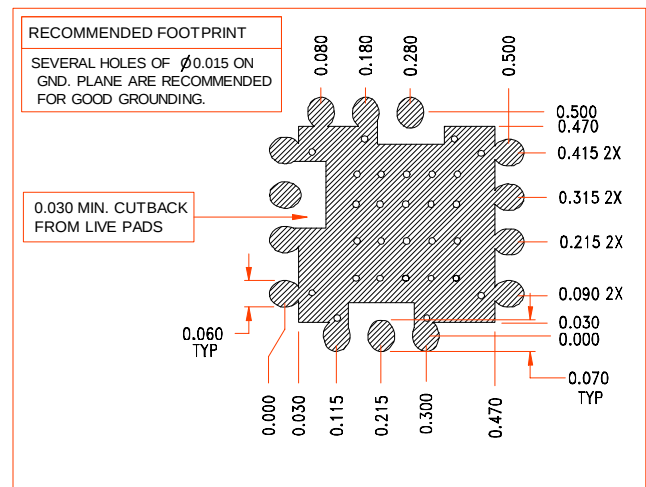
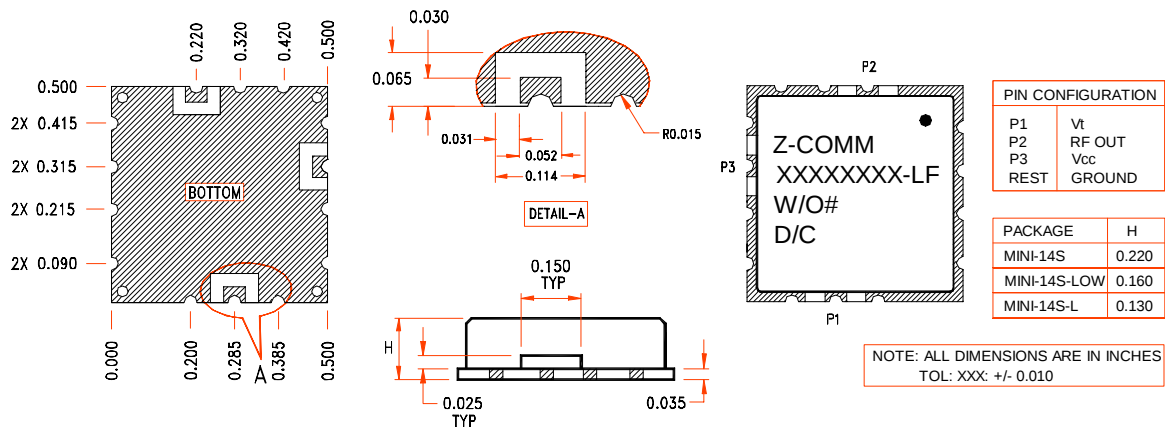
- AN-101: Mounting and Grounding
- AN-102: Output Loading
- AN-107: Manual Soldering



Performance Specifications	Min	Typ	Max	Units
Oscillation Frequency Range	713		748	MHz
Phase Noise @ 10 kHz offset (1 Hz BW)		-112		dBc/Hz
Harmonic Suppression (2nd)		-14	-12	dBc
Tuning Voltage	1		4	Vdc
Tuning Sensitivity (avg.)		32		MHz/V
Power Output	2.5	5.5	8.5	dBm
Load Impedance		50		Ω
Input Capacitance			100	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-L			

Power Supply Requirements	Min	Typ	Max	Units
Supply Voltage (Vcc, nom.)		5		Vdc
Supply Current (Icc)		22	26	mA

Additional Notes

Tuning Curve, typ.

Power Curve, typ.

Footprint

Physical Dimensions


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