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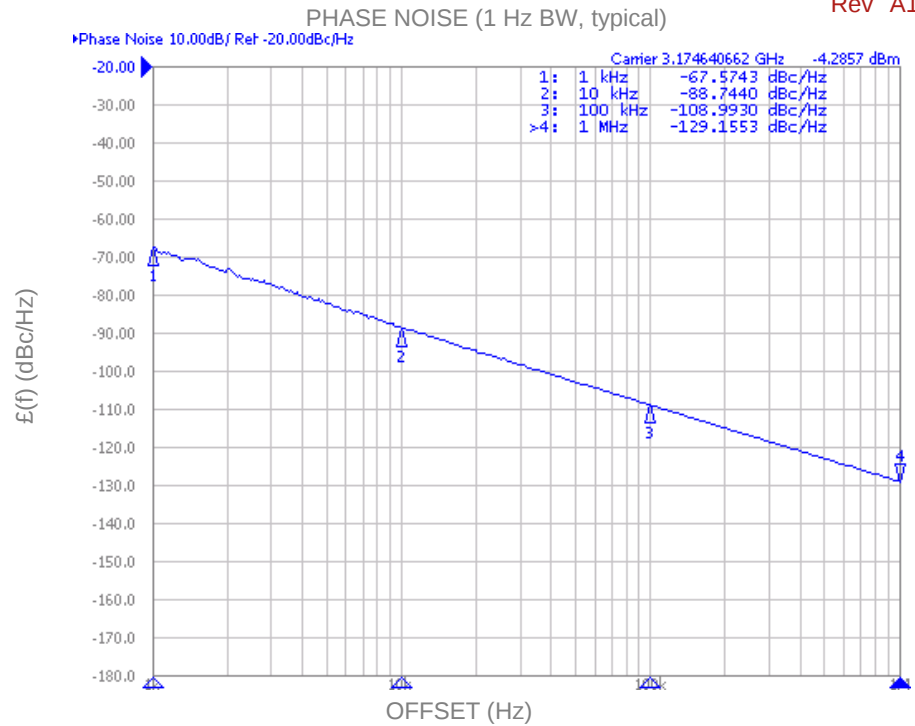
Voltage-Controlled Oscillator Surface Mount Module

Applications

- Direct Broadcast
- Satellite Up/Down Conversion
- Microwave Links

Application Notes

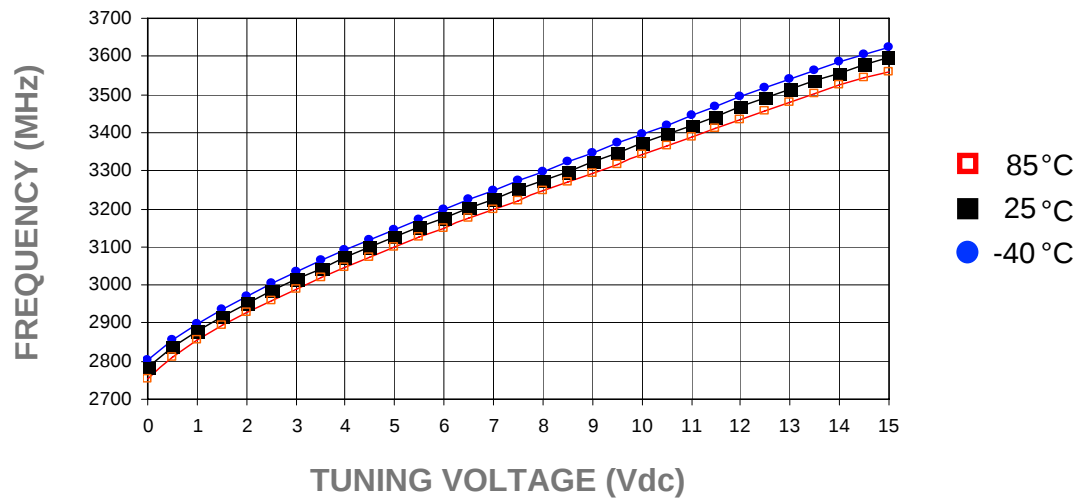
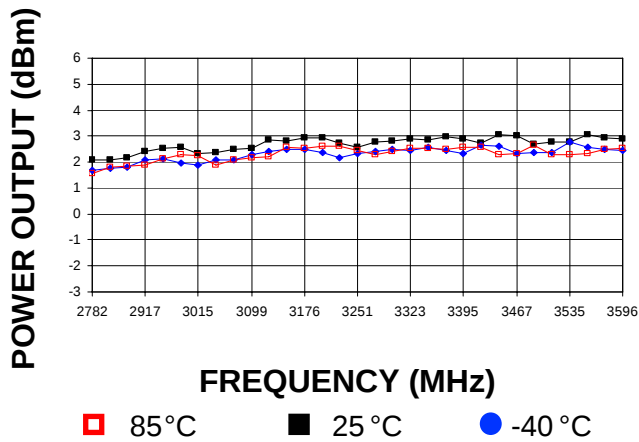
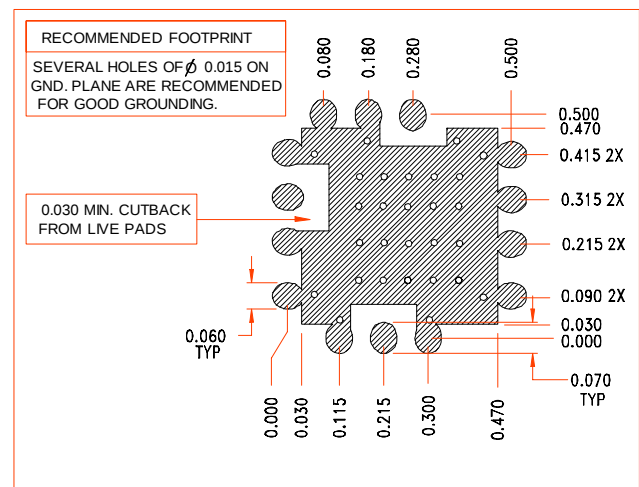
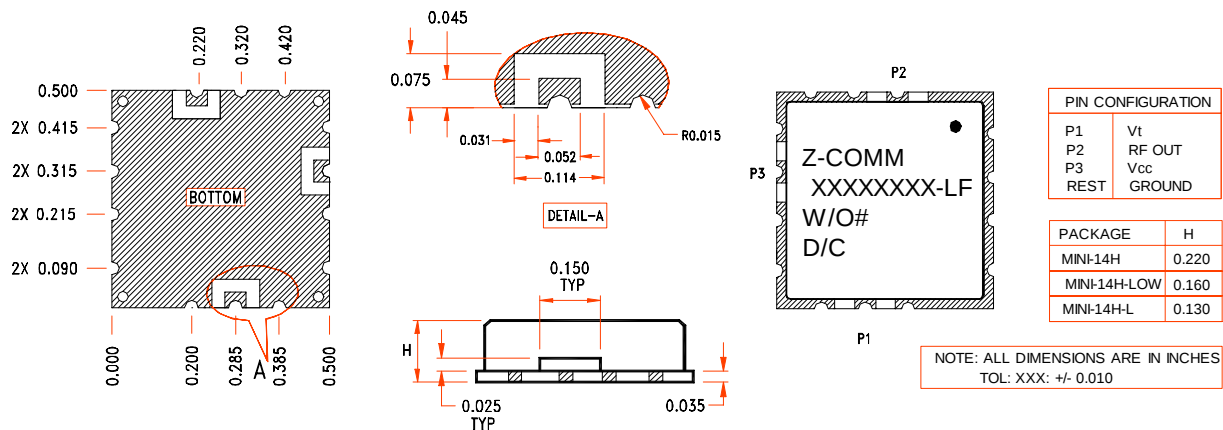
- AN-101: Mounting and Grounding
- AN-102: Output Loading
- AN-107: Manual Soldering



Performance Specifications	Min	Typ	Max	Units
Oscillation Frequency Range	3010		3340	MHz
Phase Noise @ 10 kHz offset (1 Hz BW)		-88		dBc/Hz
Harmonic Suppression (2nd)		-27	-20	dBc
Tuning Voltage	1.5		15	Vdc
Tuning Sensitivity (avg.)		52		MHz/V
Power Output	-3	.5	4	dBm
Load Impedance		50		Ω
Input Capacitance			25	pF
Pushing			9	MHz/V
Pulling (14 dB Return Loss, Any Phase)			10	MHz
Operating Temperature Range	-40		85	$^{\circ}\text{C}$
Package Style	MINI-14H-L			

Power Supply Requirements	Min	Typ	Max	Units
Supply Voltage (Vcc, nom.)		8.5		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.