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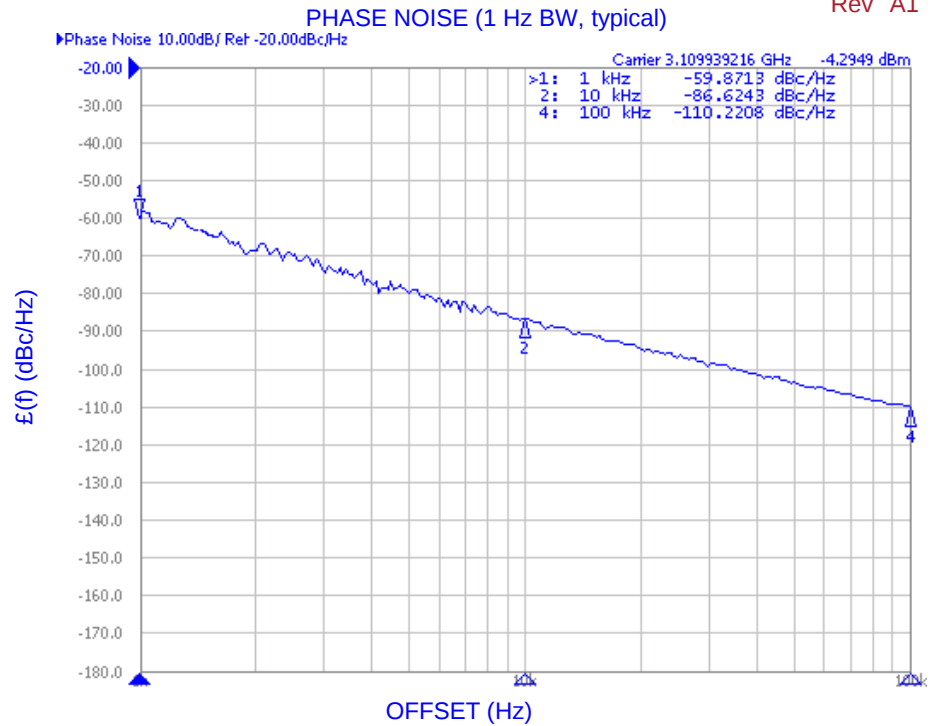
Voltage-Controlled Oscillator Surface Mount Module

Applications

- Direct Broadcast
- Satellite Up/Down Conversion
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Application Notes

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



Performance Specifications

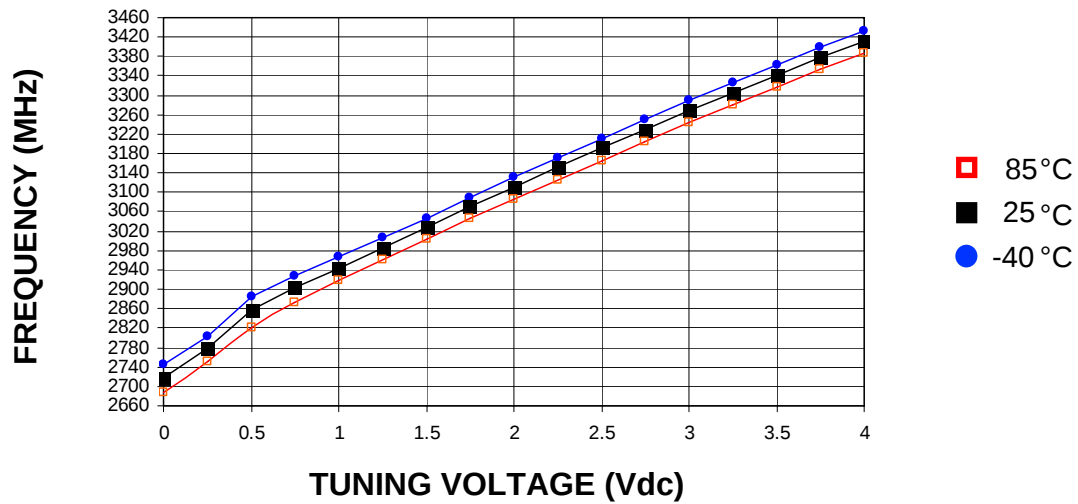
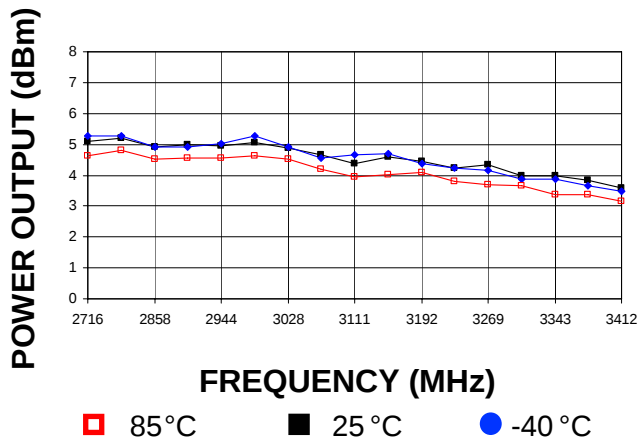
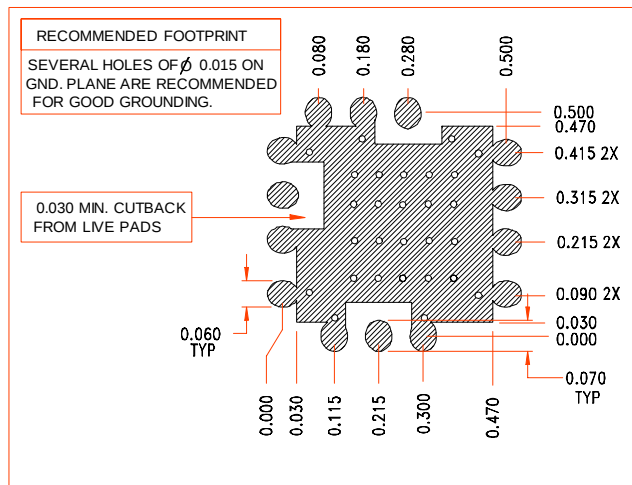
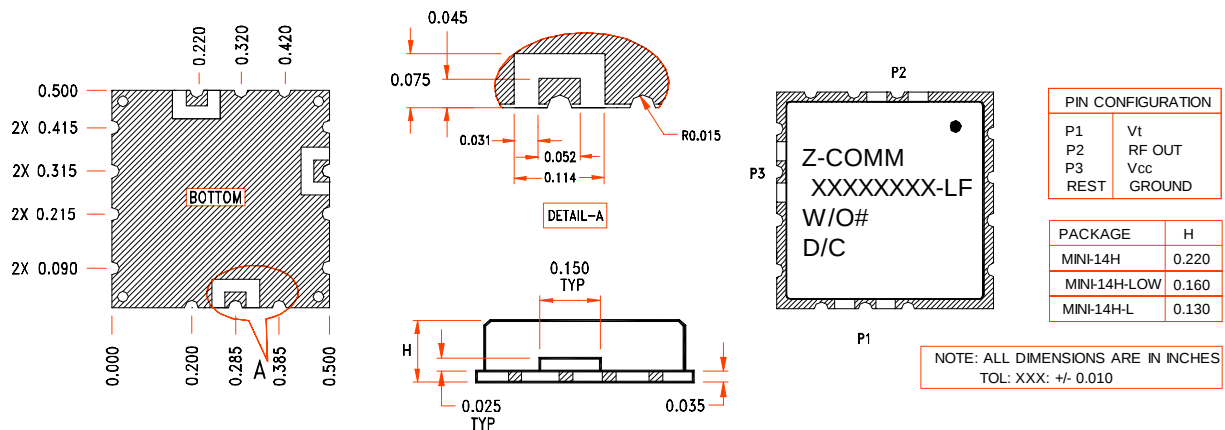
	Min	Typ	Max	Units
Oscillation Frequency Range	2880		3340	MHz
Phase Noise @ 10 kHz offset (1 Hz BW)		-85		dBc/Hz
Harmonic Suppression (2nd)		-19		dBc
Tuning Voltage	0.5		4	Vdc
Tuning Sensitivity (avg.)		163		MHz/V
Power Output	0	3.5	7	dBm
Load Impedance		50		Ω
Input Capacitance			50	pF
Pushing			21	MHz/V
Pulling (14 dB Return Loss, Any Phase)			10	MHz
Operating Temperature Range	-40		85	$^{\circ}\text{C}$
Package Style		MINI-14H		

Power Supply Requirements

	Min	Typ	Max	Units
Supply Voltage (Vcc, nom.)		4.5		Vdc
Supply Current (Icc)		21	26	mA

Additional Notes

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

Tuning Curve, typ.

Power Curve, typ.

Footprint

Physical Dimensions


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