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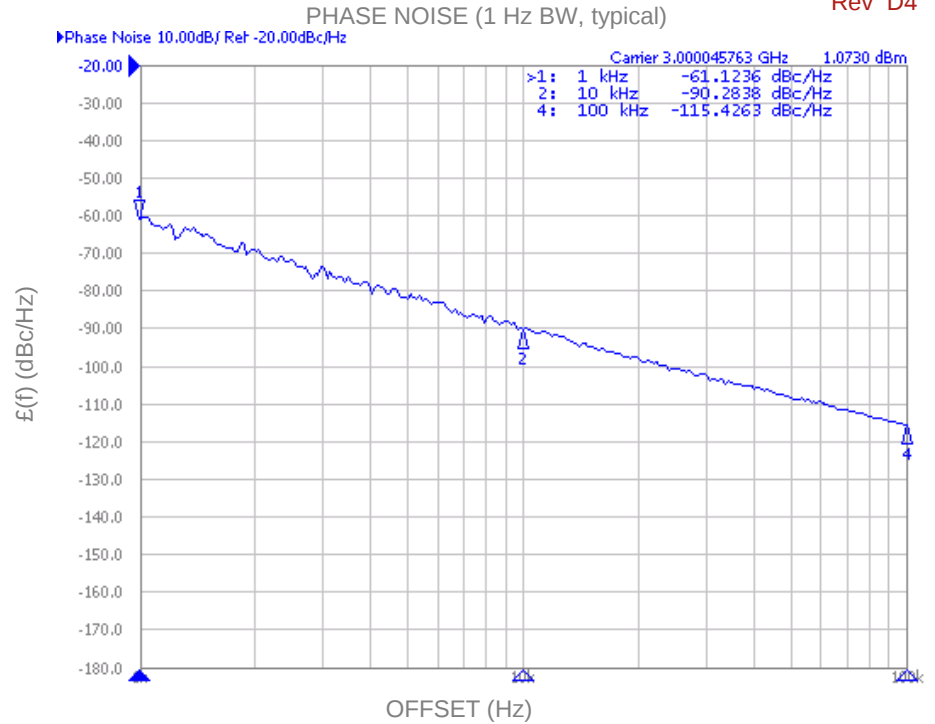
Voltage-Controlled Oscillator Surface Mount Module

Applications

- Test Instrumentation
- CATV Headend Equipment
- Satellite Communication Systems

Application Notes

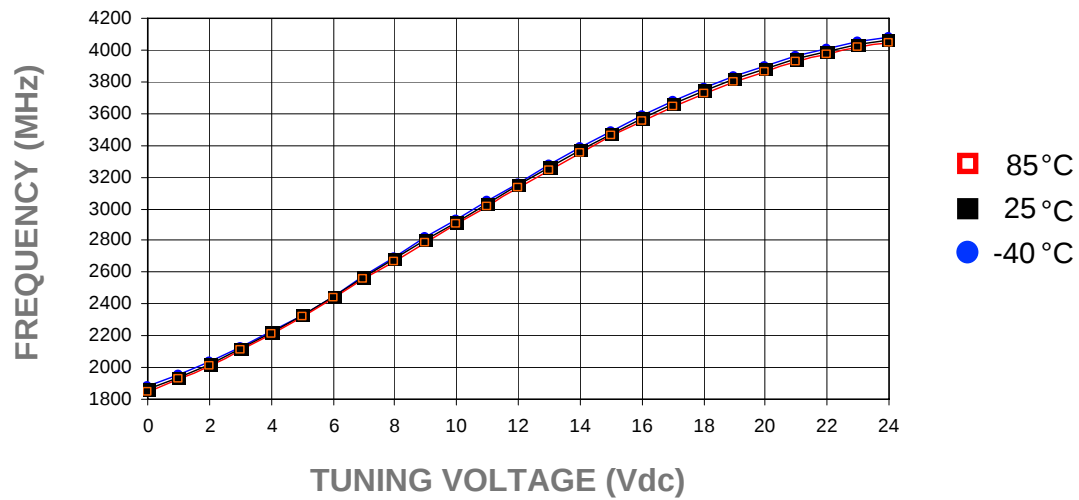
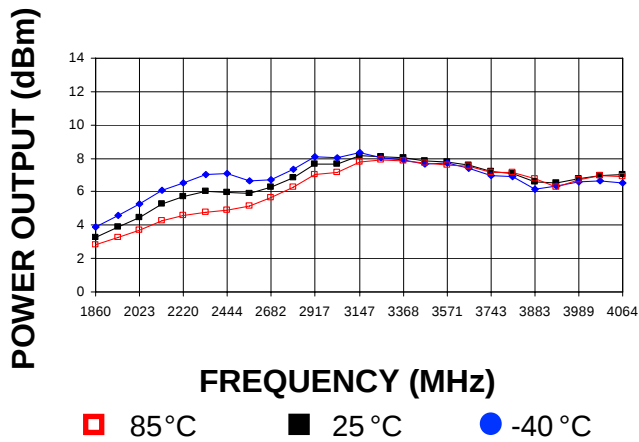
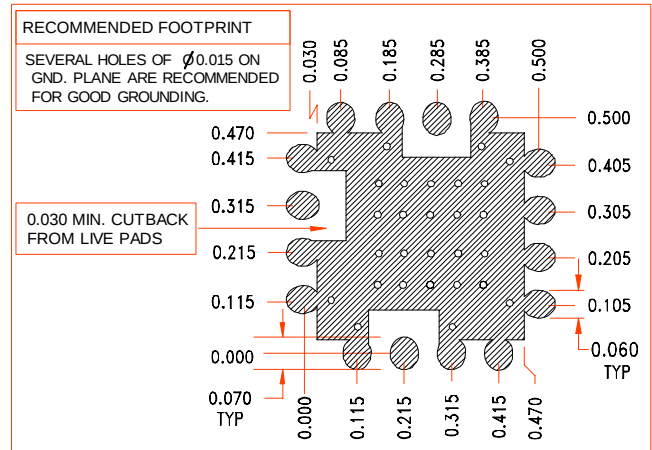
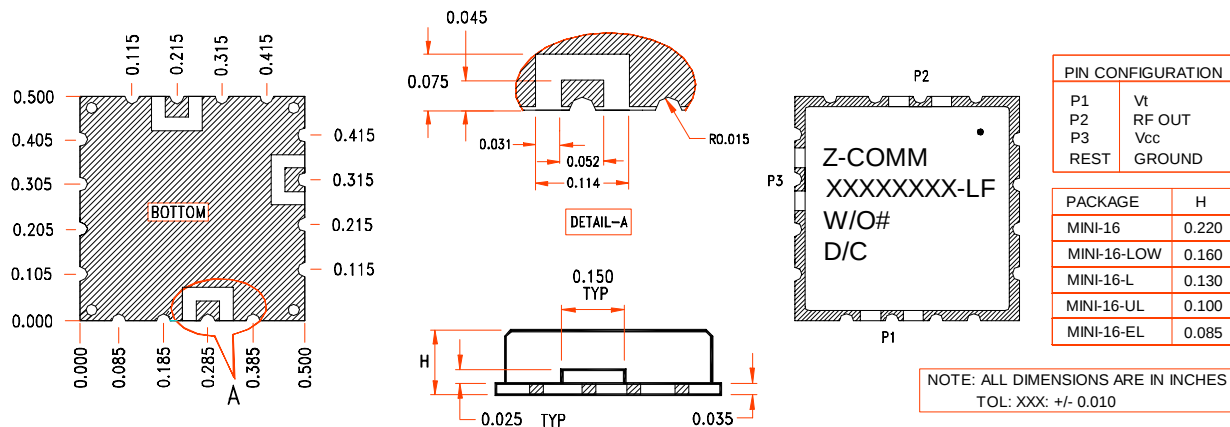
- AN-101: Mounting and Grounding
- AN-102: Output Loading
- AN-107: Manual Soldering



Performance Specifications	Min	Typ	Max	Units
Oscillation Frequency Range	2000		4000	MHz
Phase Noise @ 10 kHz offset (1 Hz BW)		-86		dBc/Hz
Harmonic Suppression (2nd)		-15	-6	dBc
Tuning Voltage	0		24	Vdc
Tuning Sensitivity (avg.)		100		MHz/V
Power Output	1	6	11	dBm
Load Impedance		50		Ω
Input Capacitance			50	pF
Pushing			10	MHz/V
Pulling (12 dB Return Loss, Any Phase)			14	MHz
Operating Temperature Range	-40		85	$^{\circ}\text{C}$
Package Style	MINI-16-LOW			

Power Supply Requirements	Min	Typ	Max	Units
Supply Voltage (Vcc, nom.)		5		Vdc
Supply Current (Icc)		27	33	mA

Additional Notes

Tuning Curve, typ.

Power Curve, typ.

Footprint

Physical Dimensions


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