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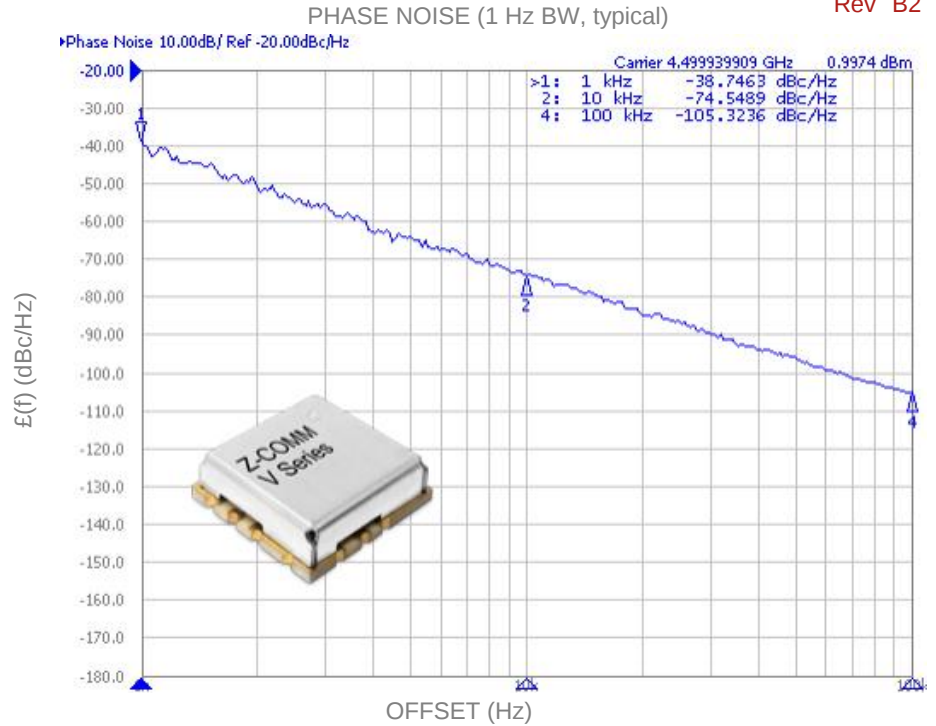
Voltage-Controlled Oscillator Surface Mount Module

Applications

Test Instrumentation
 CATV Headend Equipment
 Satellite Communication Systems

Application Notes

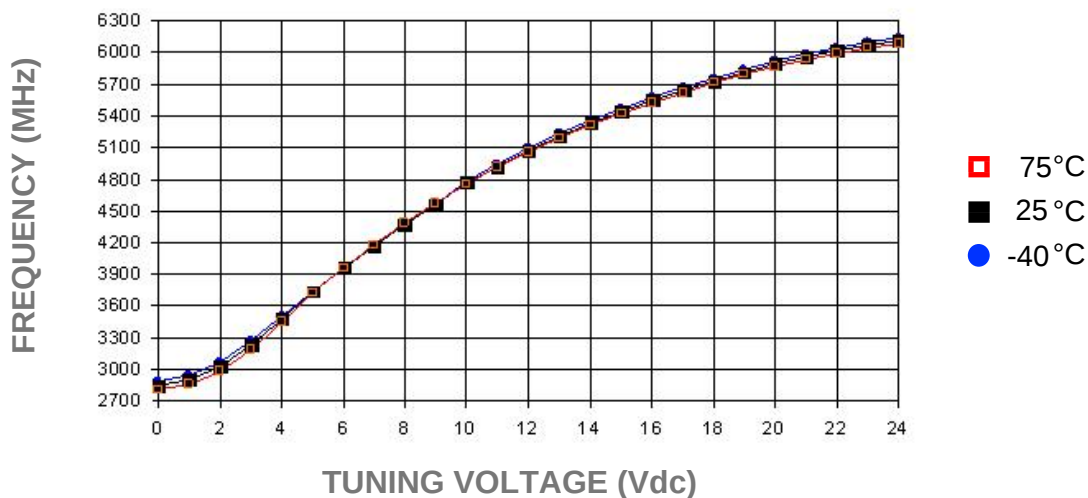
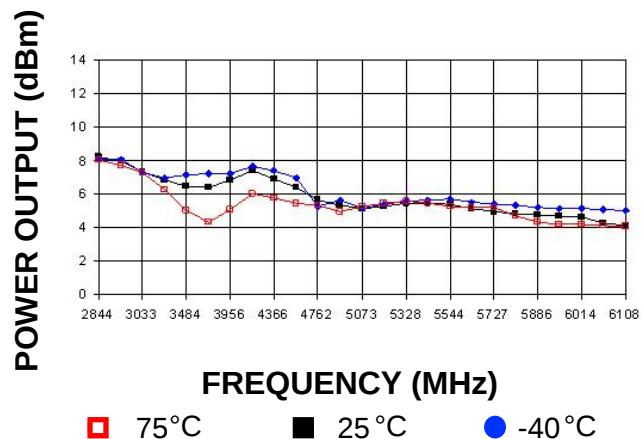
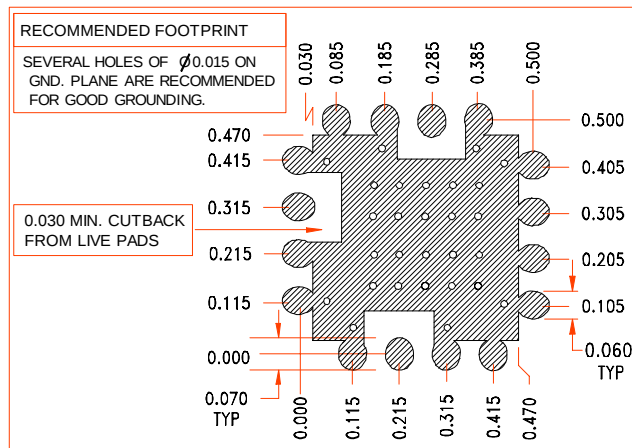
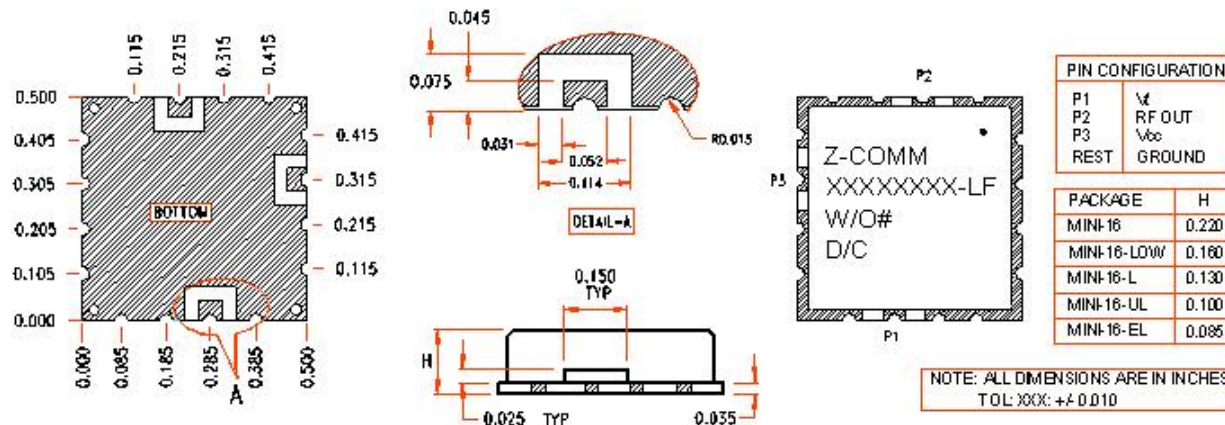
AN-101: Mounting and Grounding
 AN-102: Output Loading
 AN-107: Manual Soldering



Performance Specifications	Min	Typ	Max	Units
Oscillation Frequency Range	3000		6000	MHz
Phase Noise @ 10 kHz offset (1 Hz BW)		-74		dBc/Hz
Harmonic Suppression (2nd)		-12	-9	dBc
Tuning Voltage	0		24	Vdc
Tuning Sensitivity (avg.)		147		MHz/V
Power Output	-1	4	9	dBm
Load Impedance		50		Ω
Input Capacitance			50	pF
Pushing			22	MHz/V
Pulling (12 dB Return Loss, Any Phase)			21	MHz
Operating Temperature Range	-40		75	$^{\circ}\text{C}$
Package Style	MINI-16-LOW			

Power Supply Requirements	Min	Typ	Max	Units
Supply Voltage (Vcc, nom.)		12		Vdc
Supply Current (Icc)		24	29	mA

Additional Notes

Tuning Curve, typ.

Power Curve, typ.

Footprint

Physical Dimensions


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