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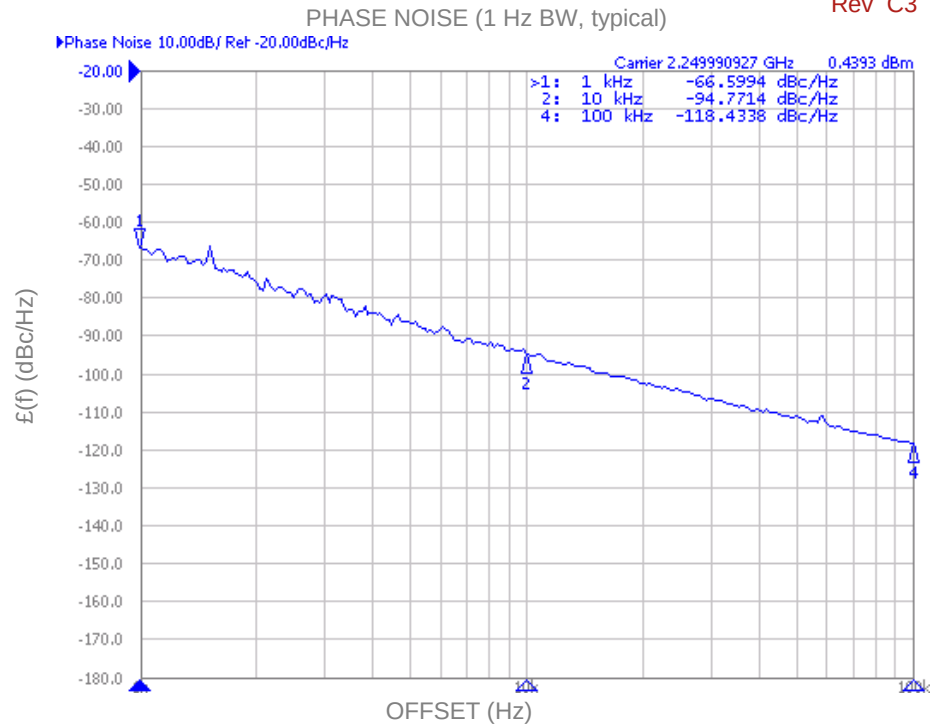
Voltage-Controlled Oscillator Surface Mount Module

Applications

- Broadband Transmission
- Earthstations
-

Application Notes

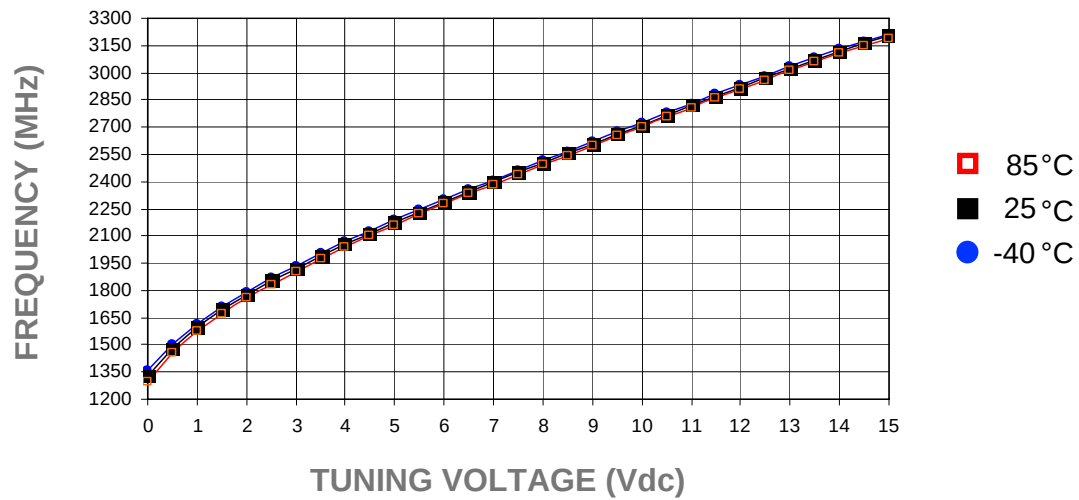
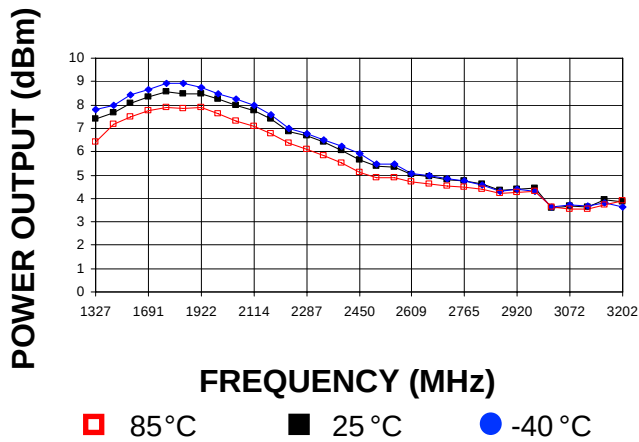
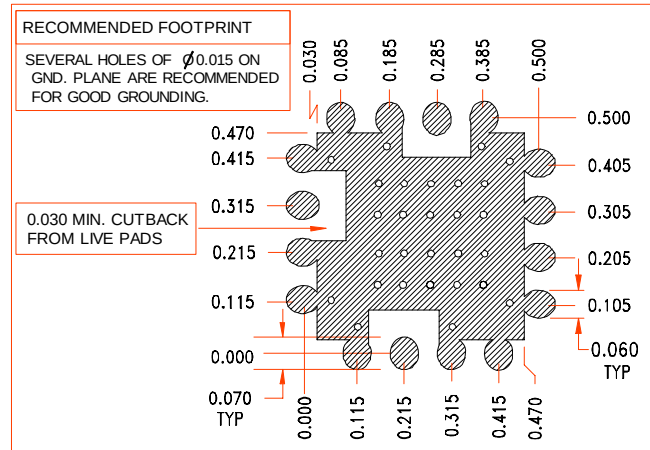
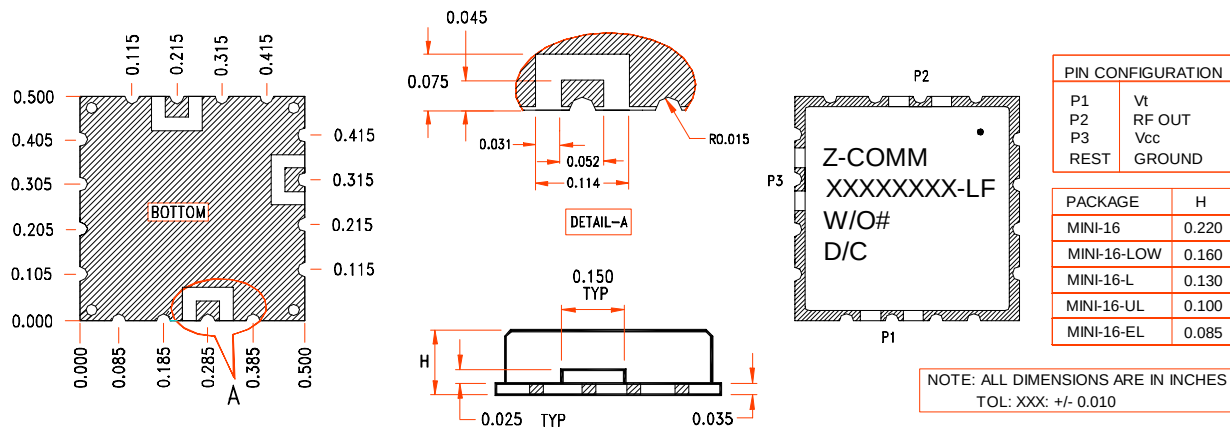
- AN-101: Mounting and Grounding
- AN-102: Output Loading
- AN-107: Manual Soldering



Performance Specifications	Min	Typ	Max	Units
Oscillation Frequency Range	1700		2800	MHz
Phase Noise @ 10 kHz offset (1 Hz BW)		-95		dBc/Hz
Harmonic Suppression (2nd)		-20	-14	dBc
Tuning Voltage	0.5		15	Vdc
Tuning Sensitivity (avg.)		118		MHz/V
Power Output	3	6.5	10	dBm
Load Impedance		50		Ω
Input Capacitance			500	pF
Pushing			5	MHz/V
Pulling (14 dB Return Loss, Any Phase)			8	MHz
Operating Temperature Range	-40		85	$^{\circ}\text{C}$
Package Style	MINI-16-L			

Power Supply Requirements	Min	Typ	Max	Units
Supply Voltage (Vcc, nom.)		5		Vdc
Supply Current (Icc)		21	25	mA

Additional Notes

Tuning Curve, typ.

Power Curve, typ.

Footprint

Physical Dimensions


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