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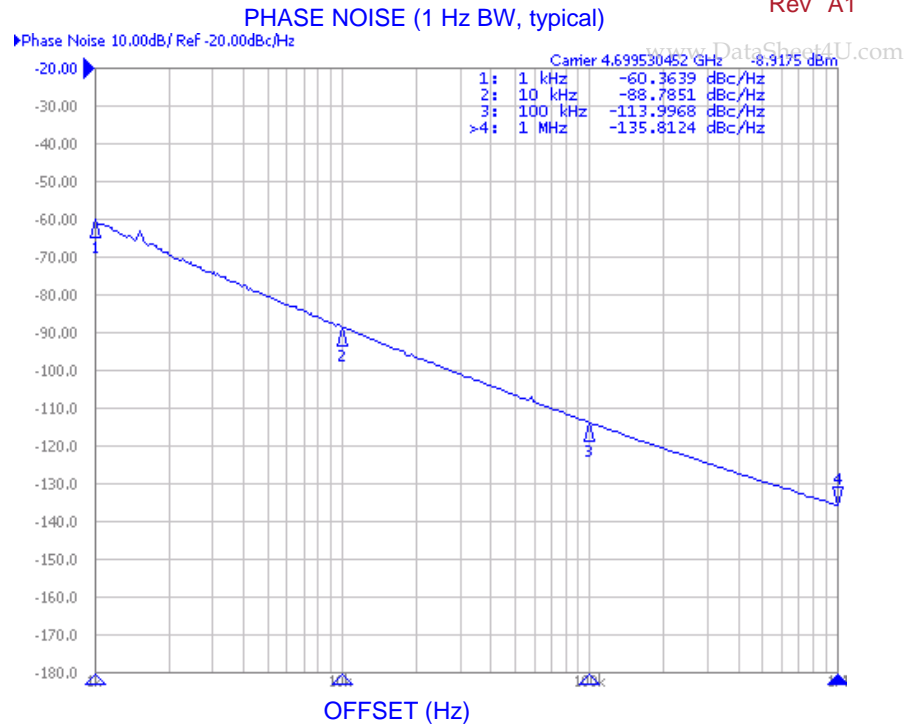
Voltage-Controlled Oscillator Surface Mount Module

Applications

- Point-to-Point Radio
- Satellite Communications
- Direct Broadcast

Application Notes

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



Performance Specifications

	Min	Typ	Max	Units
Oscillation Frequency Range	4400		5000	MHz
Phase Noise @ 10 kHz offset (1 Hz BW)		-89		dBc/Hz
Harmonic Suppression (2nd)		-22	-15	dBc
Tuning Voltage	0		9.5	Vdc
Tuning Sensitivity (avg.)		120		MHz/V
Power Output	0	3	6	dBm
Load Impedance		50		Ω
Input Capacitance			50	pF
Pushing			8	MHz/V
Pulling (14 dB Return Loss, Any Phase)			14	MHz
Operating Temperature Range	-40		85	$^{\circ}\text{C}$
Package Style		MINI-14S		

Power Supply Requirements

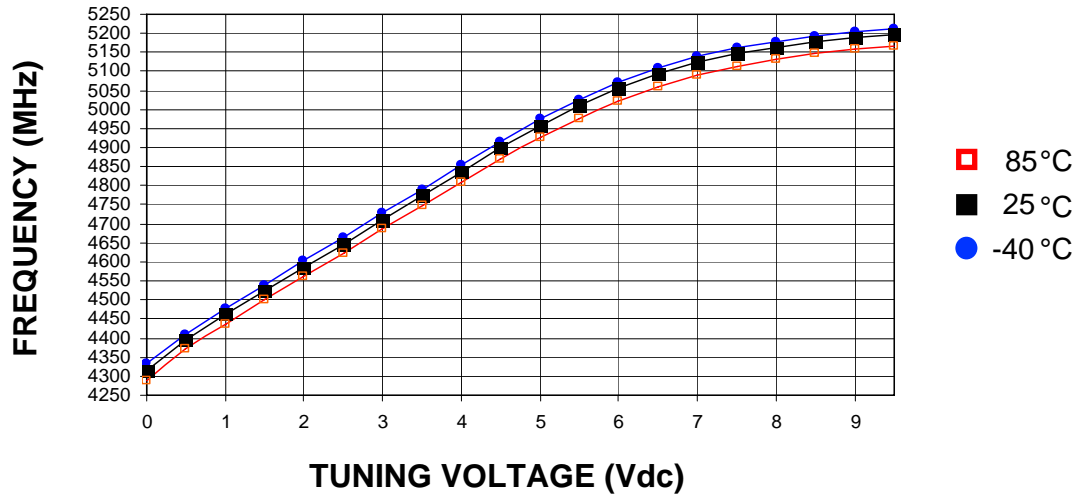
	Min	Typ	Max	Units
Supply Voltage (Vcc, nom.)		10		Vdc
Supply Current (Icc)		25	32	mA

Additional Notes

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

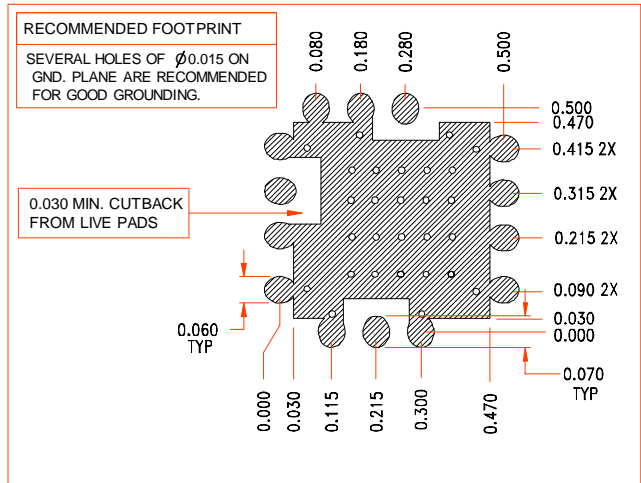
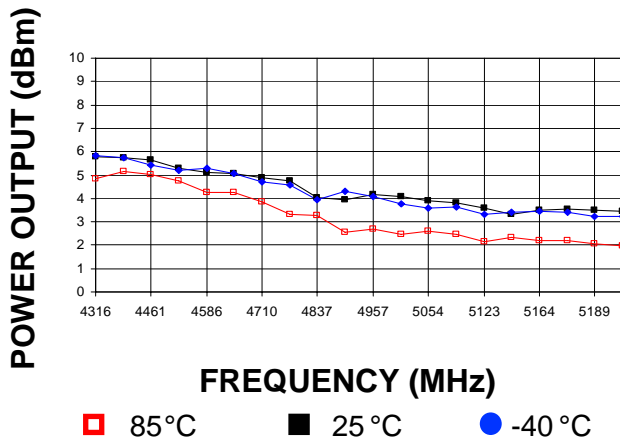
Tuning Curve, typ.

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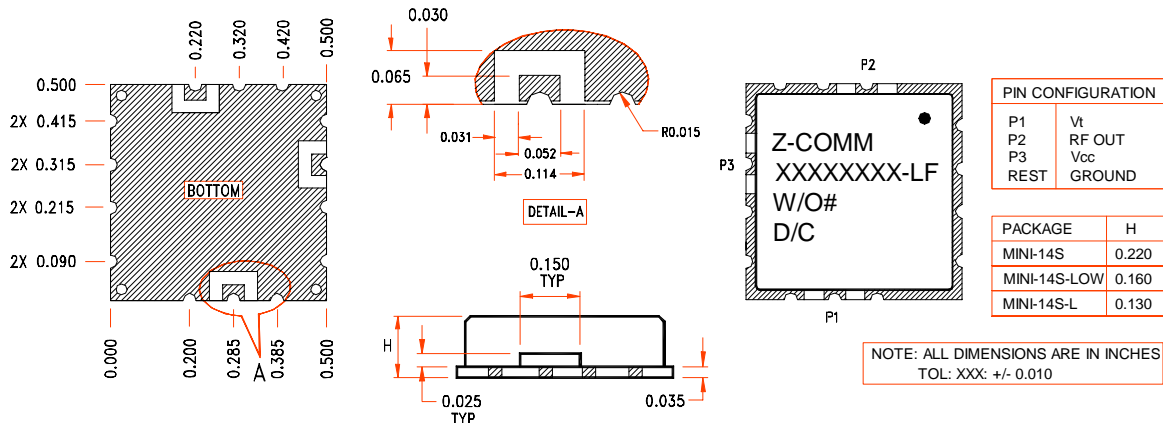


Power Curve, typ.

Footprint



Physical Dimensions



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