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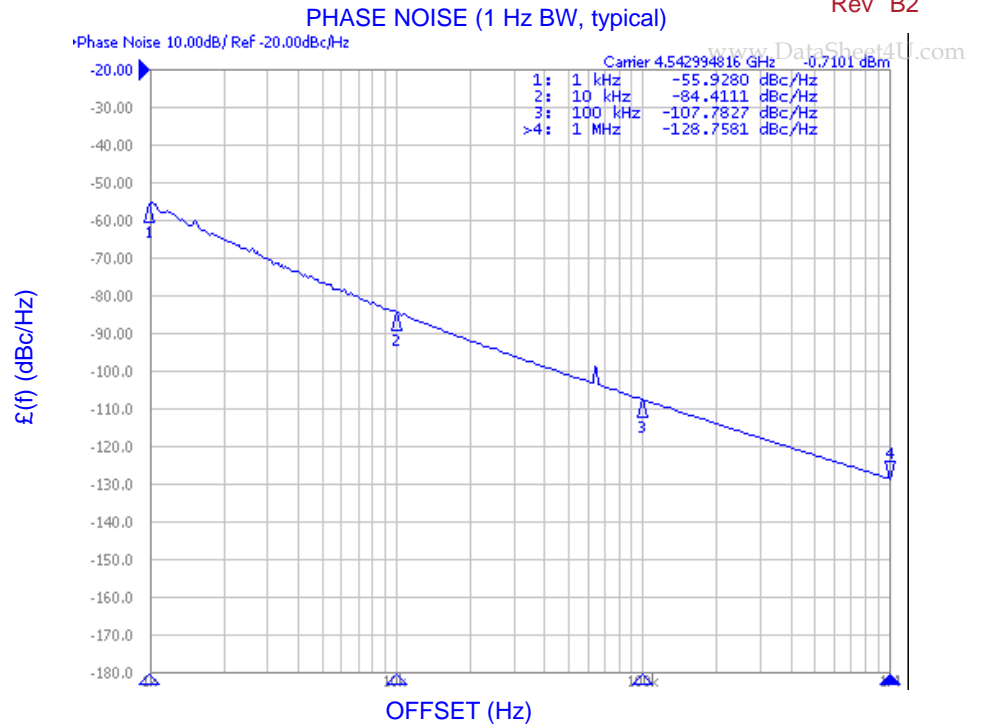
### Voltage-Controlled Oscillator Surface Mount Module

#### Applications

- Cellular Receivers
- Satellite Communications
- 

#### Application Notes

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



#### Performance Specifications

	Min	Typ	Max	Units
Oscillation Frequency Range	4200		4900	MHz
Phase Noise @ 10 kHz offset (1 Hz BW)		-83		dBc/Hz
Harmonic Suppression (2nd)		-25	-22	dBc
Tuning Voltage	0.5		12	Vdc
Tuning Sensitivity (avg.)		155		MHz/V
Power Output	0	4.5	9	dBm
Load Impedance		50		$\Omega$
Input Capacitance			50	pF
Pushing			7	MHz/V
Pulling (14 dB Return Loss, Any Phase)			44	MHz
Operating Temperature Range	-40		85	$^{\circ}\text{C}$
Package Style	MINI-14S-L			

#### Power Supply Requirements

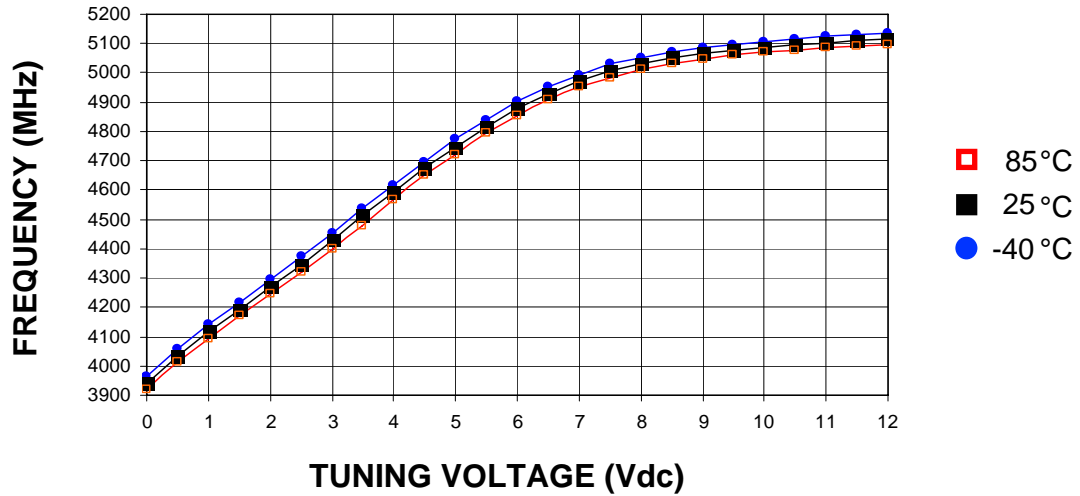
	Min	Typ	Max	Units
Supply Voltage (Vcc, nom.)		5		Vdc
Supply Current (Icc)		19	23	mA

#### Additional Notes

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

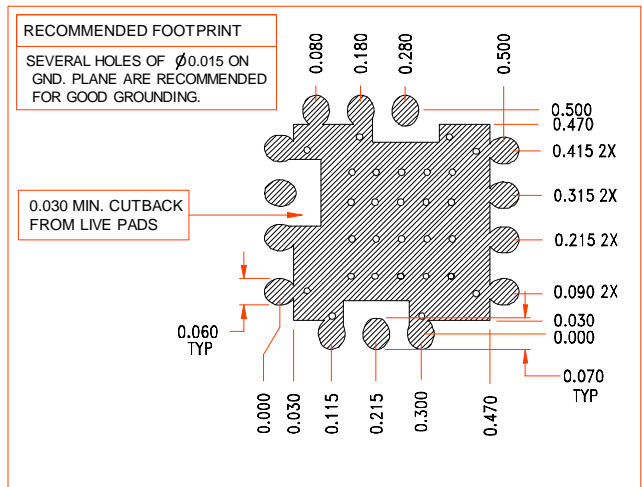
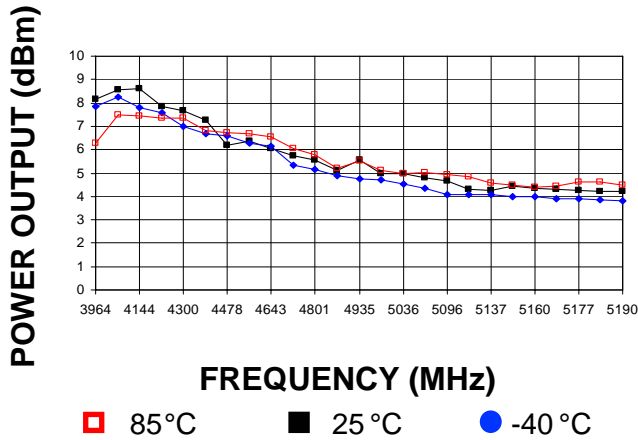
Tuning Curve, typ.

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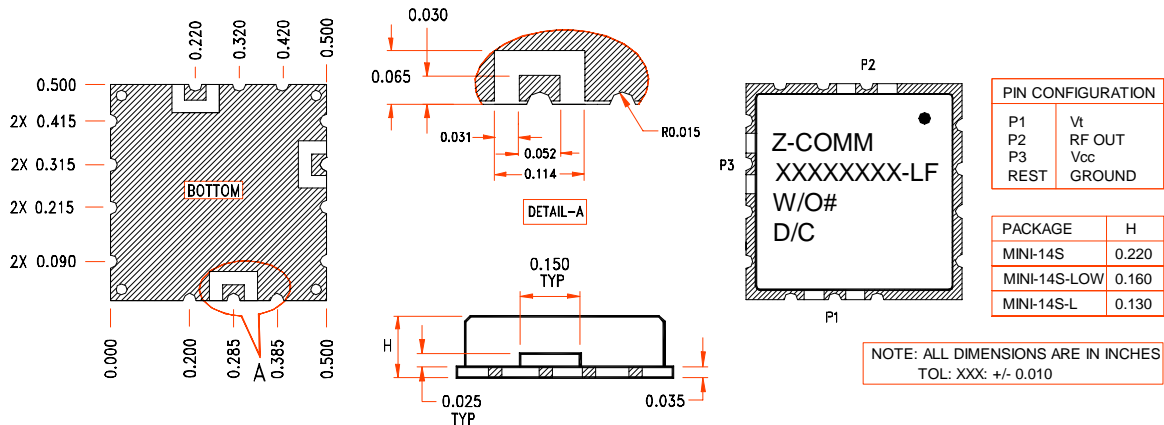


Power Curve, typ.

Footprint



Physical Dimensions



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