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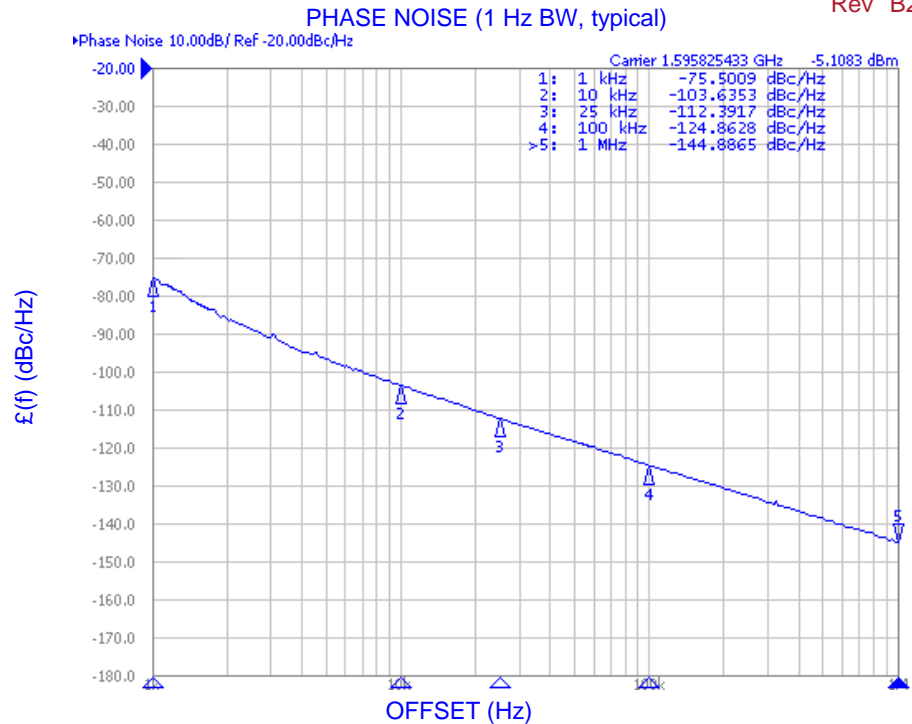
### Voltage-Controlled Oscillator Surface Mount Module

#### Applications

- WiMAX
- Mobile Communication Systems
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#### Application Notes

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



#### Performance Specifications

	Min	Typ	Max	Units
Oscillation Frequency Range	1507		1685	MHz
Phase Noise @ 10 kHz offset (1 Hz BW)		-100		dBc/Hz
Harmonic Suppression (2nd)		-18	-17	dBc
Tuning Voltage	0.5		4.5	Vdc
Tuning Sensitivity (avg.)		42		MHz/V
Power Output	-2	1.5	5	dBm
Load Impedance		50		$\Omega$
Input Capacitance			50	pF
Pushing			5	MHz/V
Pulling (14 dB Return Loss, Any Phase)			1	MHz
Operating Temperature Range	-20		70	$^{\circ}\text{C}$
Package Style		MINI-14MS		

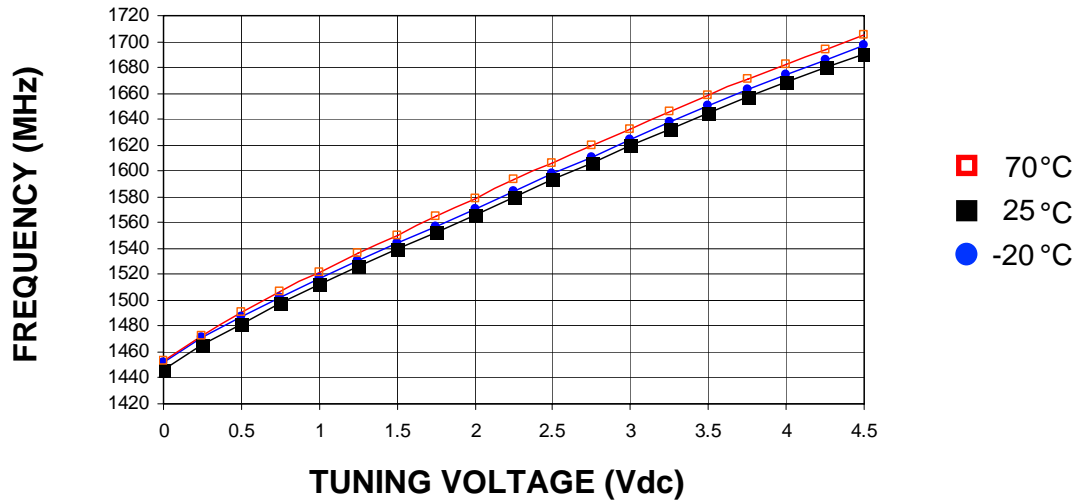
#### Power Supply Requirements

	Min	Typ	Max	Units
Supply Voltage (Vcc, nom.)		5		Vdc
Supply Current (Icc)		20	24	mA

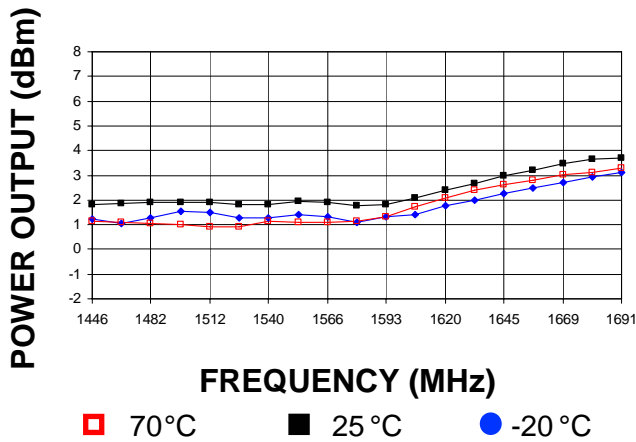
#### Additional Notes

Pin 4, MOD port is not used and could be connected to ground.

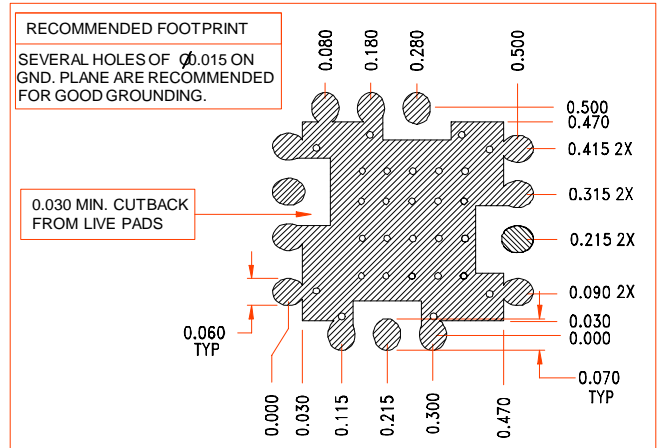
Tuning Curve, typ.



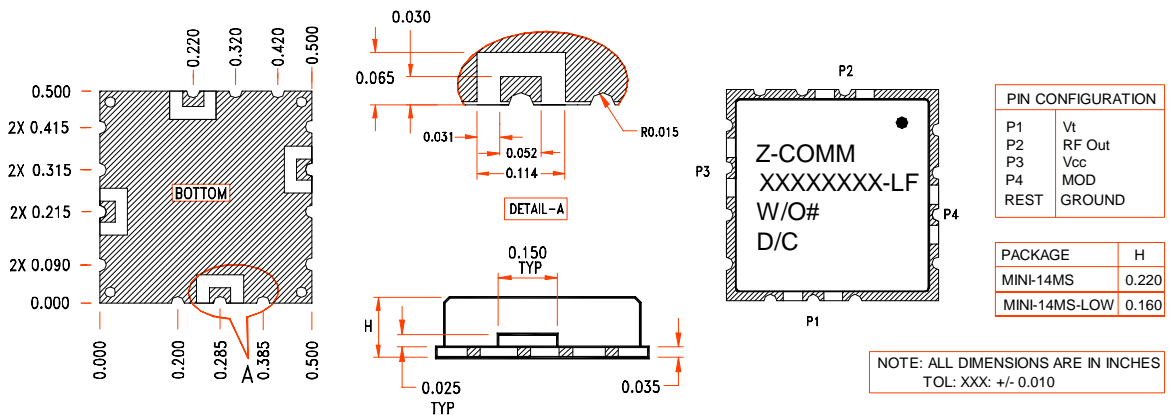
Power Curve, typ.



Footprint



Physical Dimensions



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