

### PHASE NOISE (1 Hz BW, typical)

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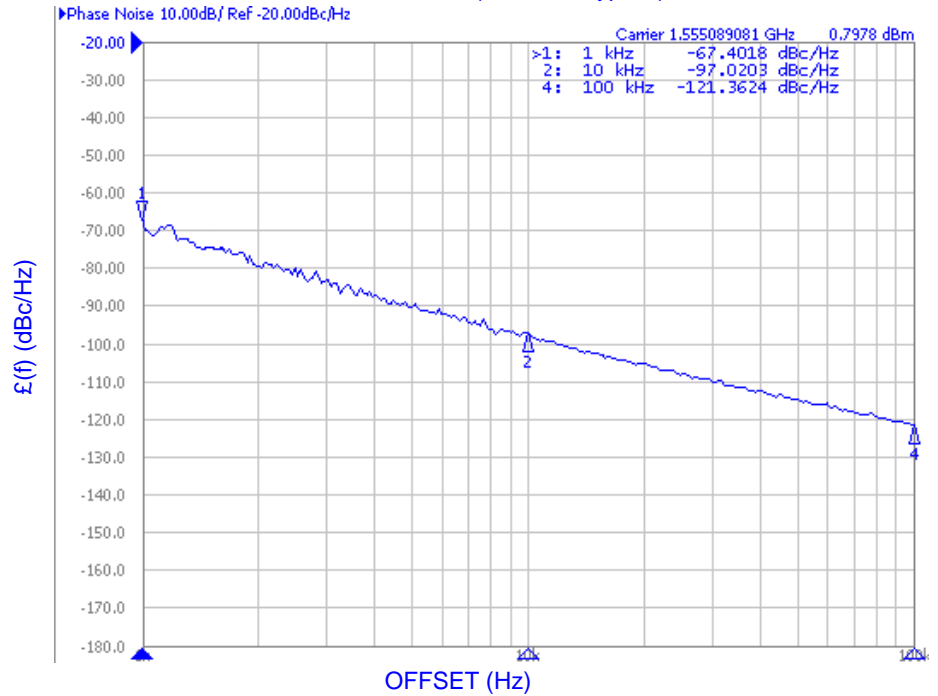
### Voltage-Controlled Oscillator Surface Mount Module

#### Applications

- Personal Communication Systems
- Earthstations
- Portable Radios

#### Application Notes

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



#### Performance Specifications

	Min	Typ	Max	Units
Oscillation Frequency Range	1440		1670	MHz
Phase Noise @ 10 kHz offset (1 Hz BW)		-97		dBc/Hz
Harmonic Suppression (2nd)		-9		dBc
Tuning Voltage	0.5		3.5	Vdc
Tuning Sensitivity (avg.)		116		MHz/V
Power Output	3	5	7	dBm
Load Impedance		50		$\Omega$
Input Capacitance			50	pF
Pushing			4	MHz/V
Pulling (14 dB Return Loss, Any Phase)			8	MHz
Operating Temperature Range	-40		85	$^{\circ}\text{C}$
Package Style		MINI-14S		

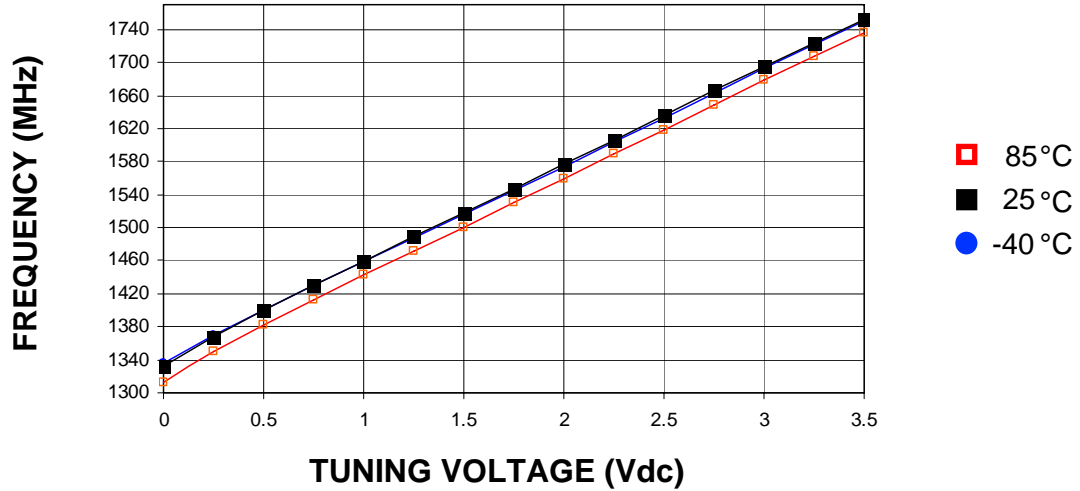
#### Power Supply Requirements

	Min	Typ	Max	Units
Supply Voltage (Vcc, nom.)		4.5		Vdc
Supply Current (Icc)		14	17	mA

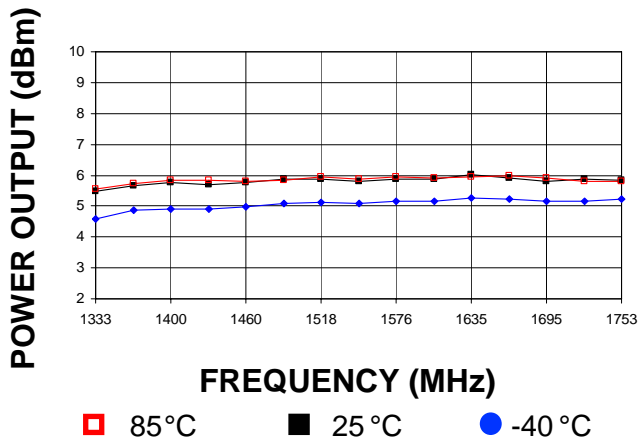
#### Additional Notes

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

**Tuning Curve, typ.**



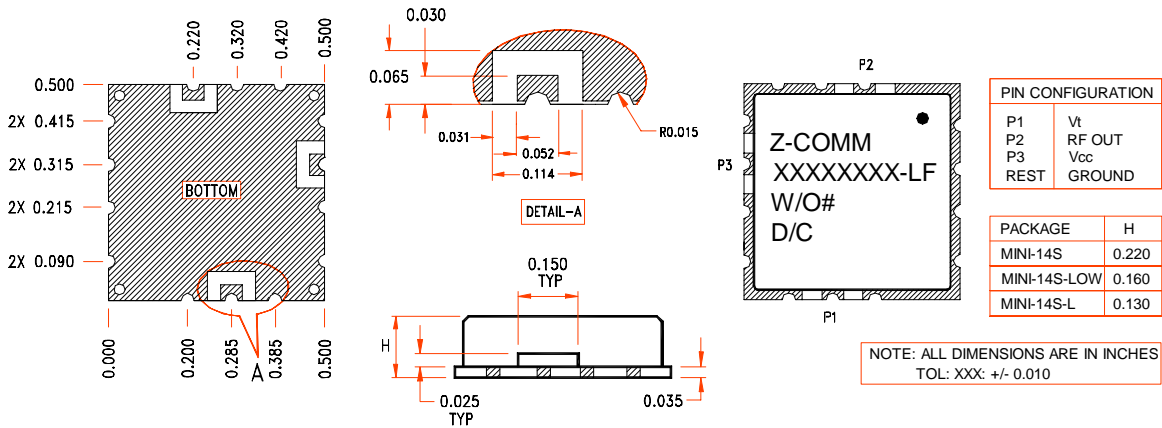
**Power Curve, typ.**



**Footprint**



**Physical Dimensions**



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