

PHASE NOISE (1 Hz BW, typical)

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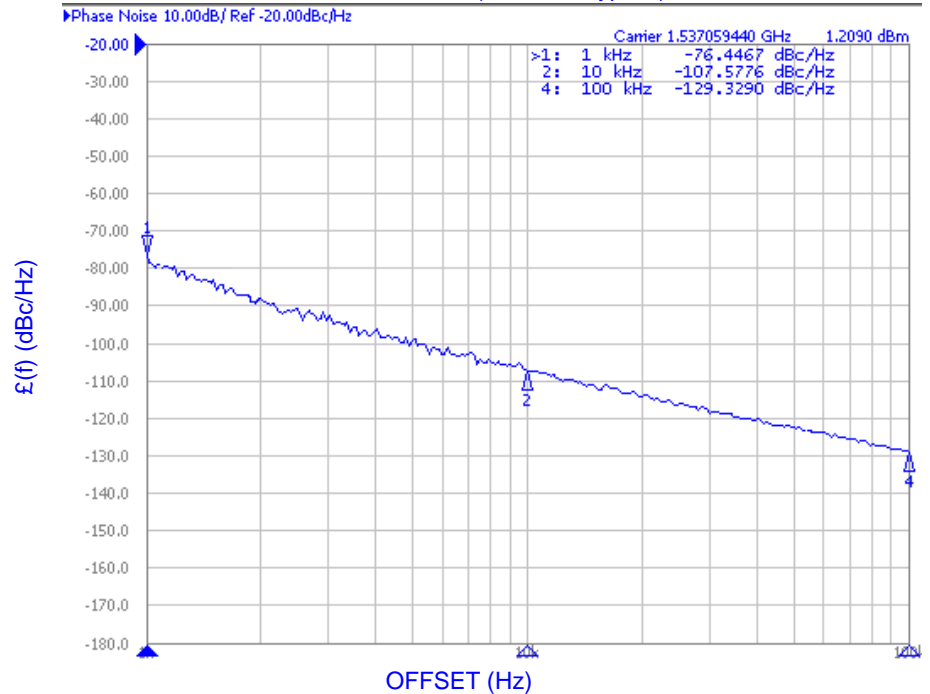
Voltage-Controlled Oscillator Surface Mount Module

Applications

- Digital Radios
- Basestations
- Radar

Application Notes

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



Performance Specifications

	Min	Typ	Max	Units
Oscillation Frequency Range	1487		1587	MHz
Phase Noise @ 10 kHz offset (1 Hz BW)		-108		dBc/Hz
Harmonic Suppression (2nd)		-17		dBc
Tuning Voltage	0.25		4.5	Vdc
Tuning Sensitivity (avg.)		36		MHz/V
Power Output	4	6.5	9	dBm
Load Impedance		50		Ω
Input Capacitance			100	pF
Pushing			2	MHz/V
Pulling (14 dB Return Loss, Any Phase)			3	MHz
Operating Temperature Range	-40		85	$^{\circ}\text{C}$
Package Style	MINI-14S-L			

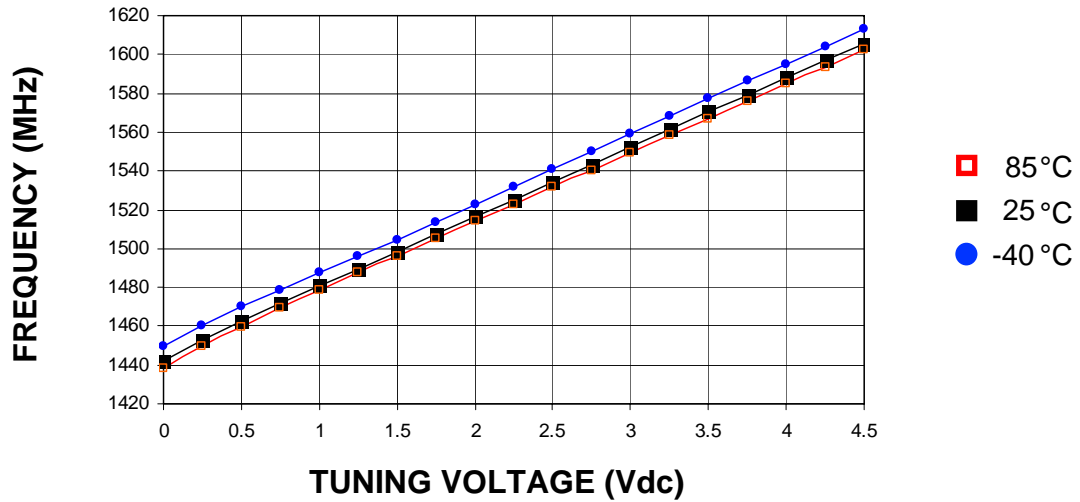
Power Supply Requirements

	Min	Typ	Max	Units
Supply Voltage (Vcc, nom.)		5		Vdc
Supply Current (Icc)		24	29	mA

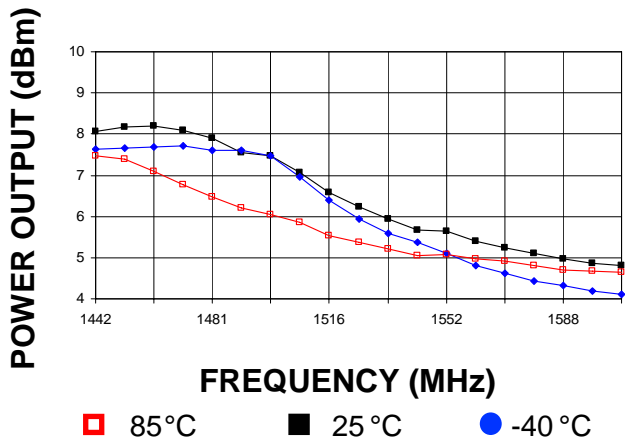
Additional Notes

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

Tuning Curve, typ.



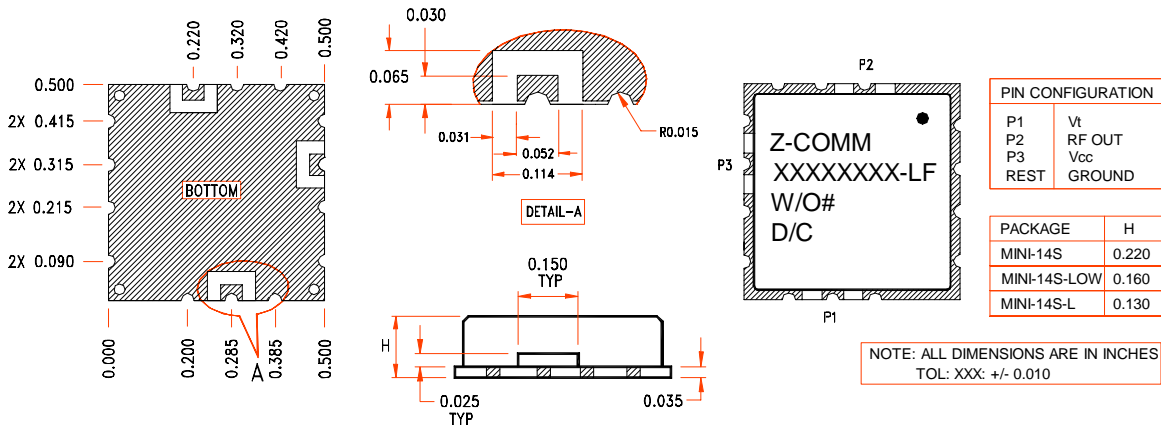
Power Curve, typ.



Footprint



Physical Dimensions



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