

PHASE NOISE (1 Hz BW, typical)

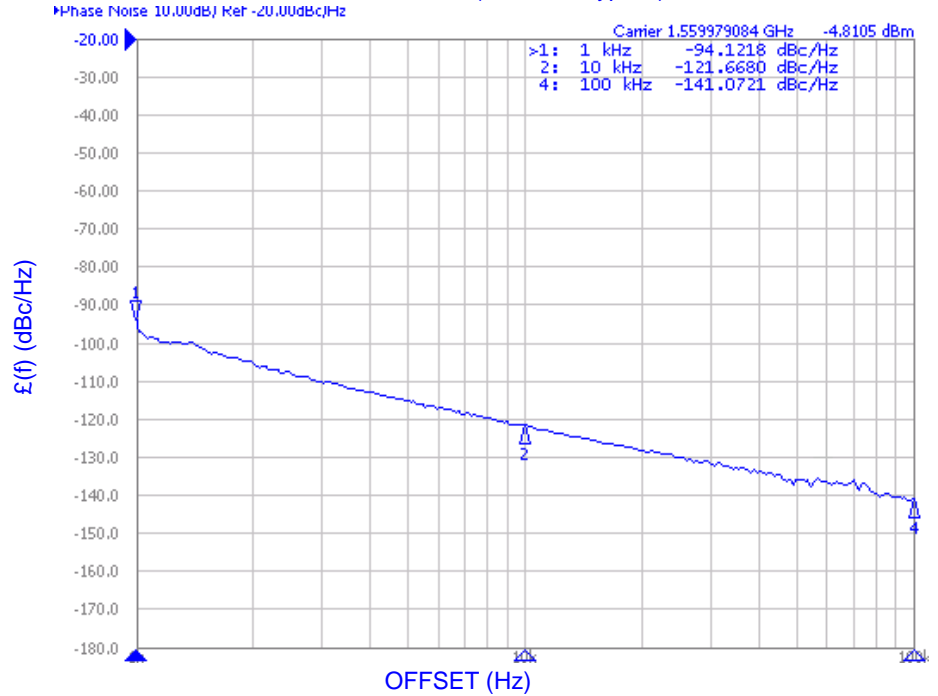
9939 Via Pasar | San Diego, CA 92126
 TEL: (858) 621-2700 | FAX: (858) 621-2722
 URL: www.zcomm.com
 EMAIL: applications@zcomm.com

**Voltage-Controlled Oscillator
 Surface Mount Module**
Applications

- Digital Radio Equipment
- Fixed Wireless Access
-

Application Notes

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


Performance Specifications

	Min	Typ	Max	Units
Oscillation Frequency Range	1560		1560	MHz
Phase Noise @ 10 kHz offset (1 Hz BW)		-121		dBc/Hz
Harmonic Suppression (2nd)		-30	-25	dBc
Tuning Voltage	0		5	Vdc
Tuning Sensitivity (avg.)		0.7		MHz/V
Power Output	-2	0	2	dBm
Load Impedance		50		Ω
Input Capacitance			50	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-16-SM			

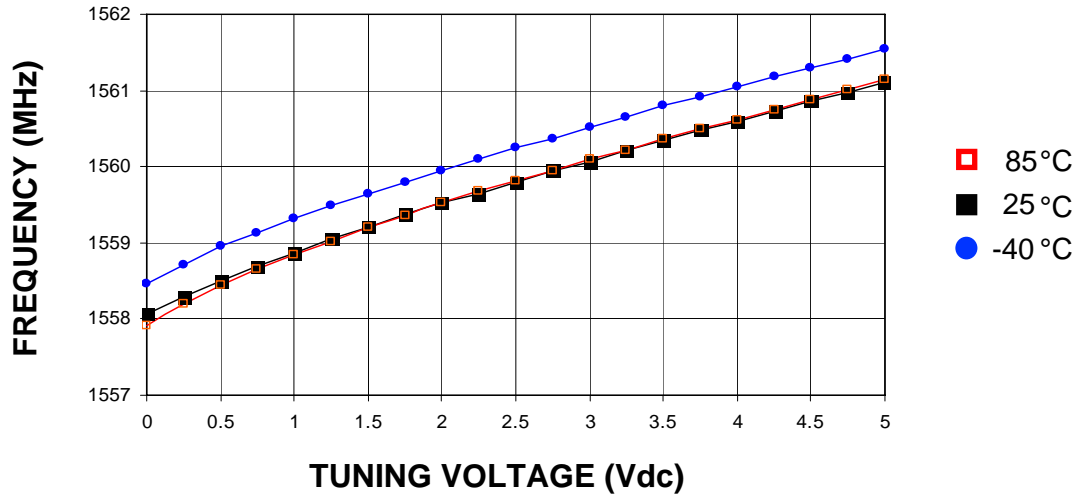
Power Supply Requirements

	Min	Typ	Max	Units
Supply Voltage (Vcc, nom.)		5		Vdc
Supply Current (Icc)		18	20	mA

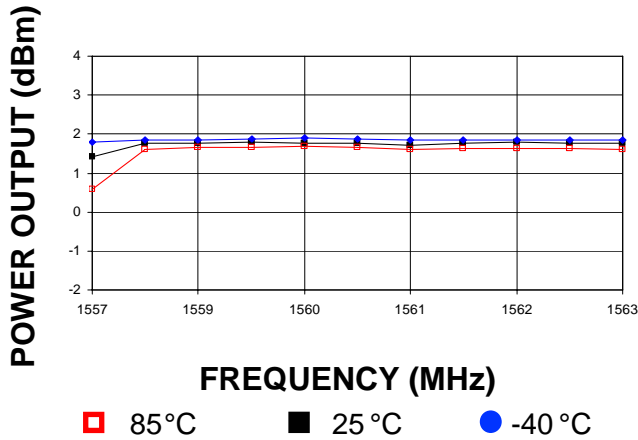
Additional Notes

Phase Noise @ 1 kHz offset (1 Hz BW) -95 (typ) dBc/Hz
 Phase Noise @ 100 kHz offset (1 Hz BW) -140 (typ) dBc/Hz

Tuning Curve, typ.



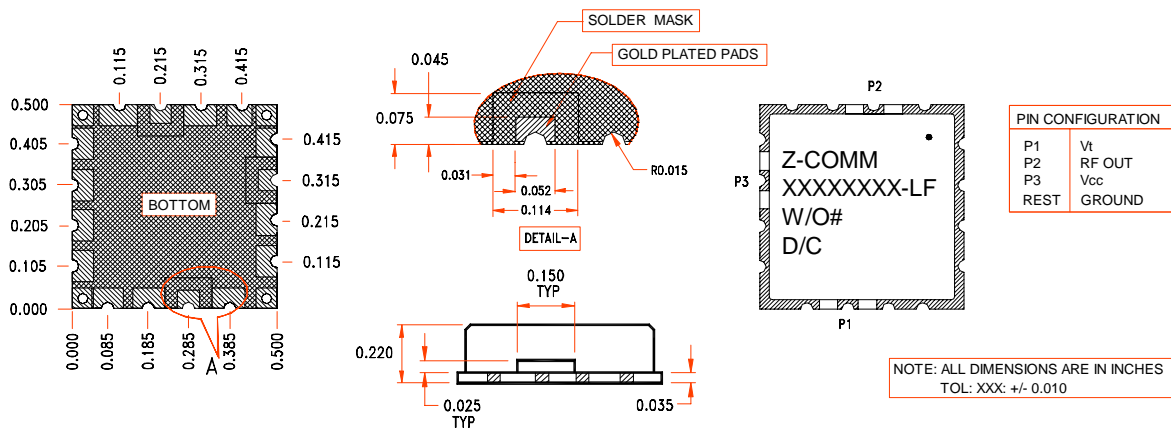
Power Curve, typ.



Footprint



Physical Dimensions



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