

PHASE NOISE (1 Hz BW, typical)

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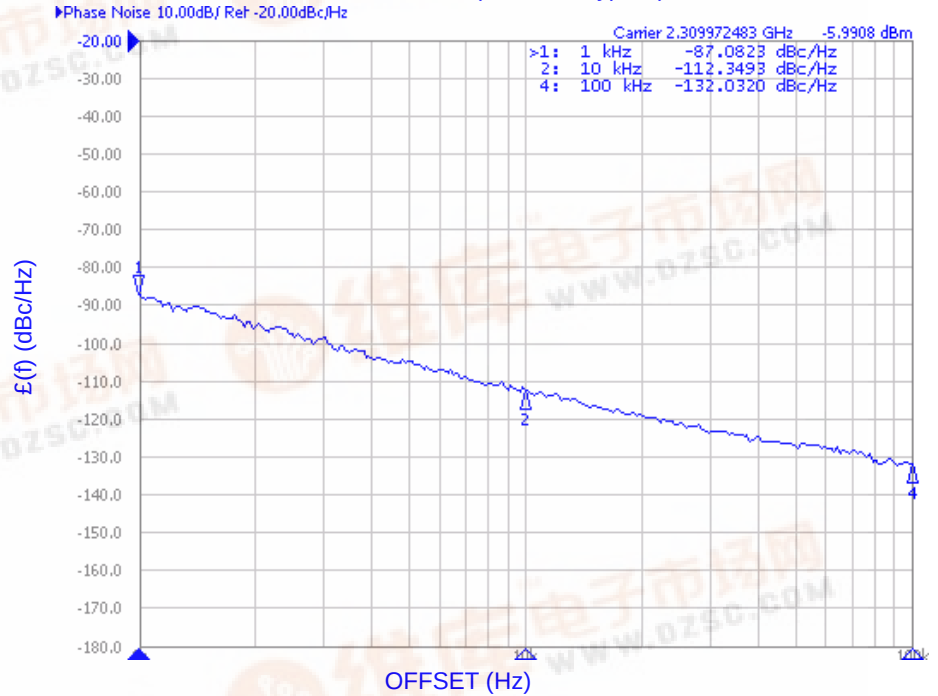
**Voltage-Controlled Oscillator
 Surface Mount Module**

Applications

- Digital Radio Equipment
- Fixed Wireless Access
- Satellite Communication Systems

Application Notes

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



Performance Specifications

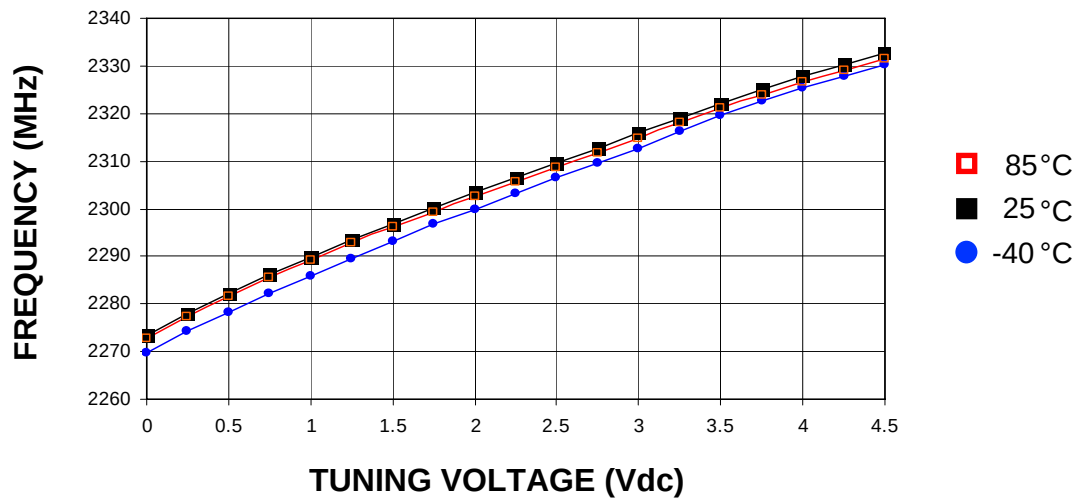
	Min	Typ	Max	Units
Oscillation Frequency Range	2300		2320	MHz
Phase Noise @ 10 kHz offset (1 Hz BW)		-112		dBc/Hz
Harmonic Suppression (2nd)		-12	-7	dBc
Tuning Voltage	0.5		4.5	Vdc
Tuning Sensitivity (avg.)		12		MHz/V
Power Output	-1	2	5	dBm
Load Impedance		50		Ω
Input Capacitance			50	pF
Pushing			1	MHz/V
Pulling (14 dB Return Loss, Any Phase)			1	MHz
Operating Temperature Range	-40		85	$^{\circ}\text{C}$
Package Style		MINI-16-SM		

Power Supply Requirements

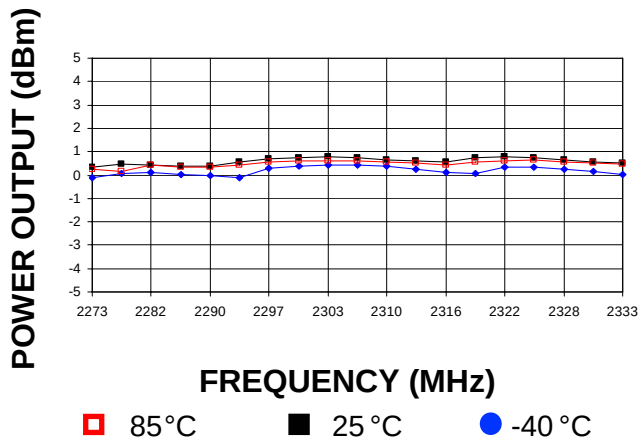
	Min	Typ	Max	Units
Supply Voltage (Vcc, nom.)		5		Vdc
Supply Current (Icc)		22	26	mA

Additional Notes

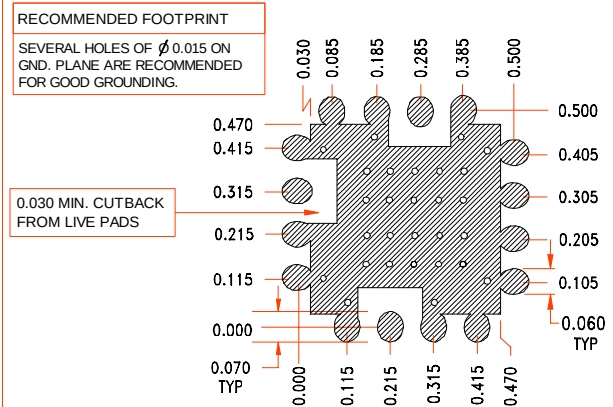
Tuning Curve, typ.



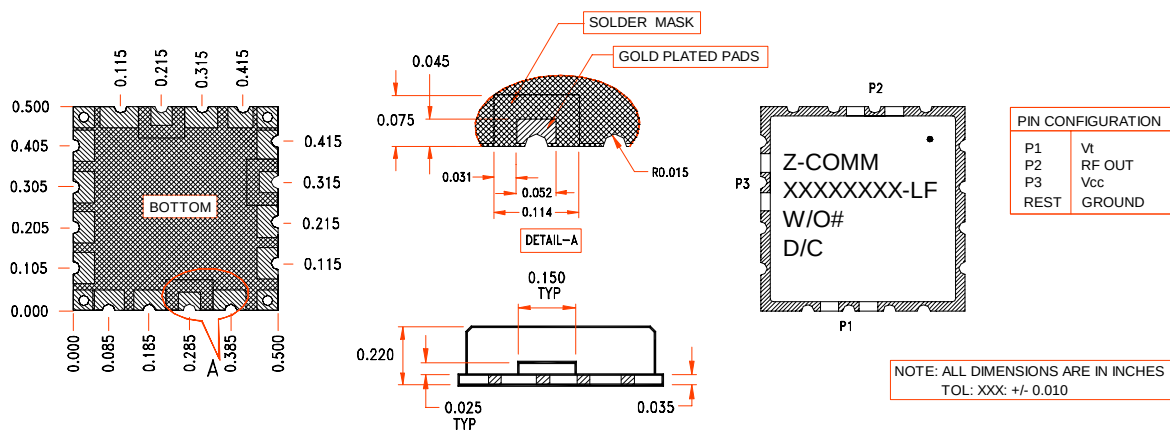
Power Curve, typ.



Footprint



Physical Dimensions



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