CLV0882E-LF

Rev B2

14118 Stowe Drive, Suite B
Poway, CA 92064
TEL: (858) 621-2700 | FAX: (858) 486-1927
URL: www.zcomm.com
EMAIL: applications@zcomm.com

Voltage-Controlled Oscillator Surface Mount Module

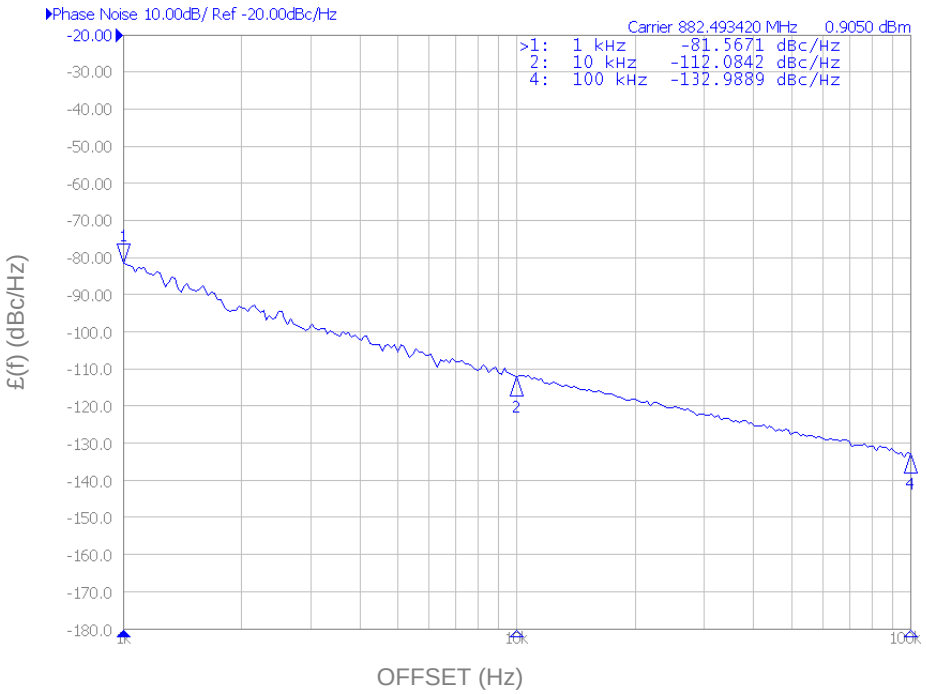
Applications

- Fixed Wireless
- Digital Radios
-

Application Notes

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

PHASE NOISE (1 Hz BW, typical)



Performance Specifications	Min	Typ	Max	Units
Oscillation Frequency Range	822		943	MHz
Phase Noise @ 10 kHz offset (1 Hz BW)		-113		dBc/Hz
Harmonic Suppression (2nd)		-15	-13	dBc
Tuning Voltage	1		9	Vdc
Tuning Sensitivity (avg.)		30		MHz/V
Power Output	3	6	9	dBm
Load Impedance		50		Ω
Input Capacitance			100	pF
Pushing			3	MHz/V
Pulling (12 dB Return Loss, Any Phase)			2	MHz
Operating Temperature Range	-40		85	°C
Package Style		MINI-14S		

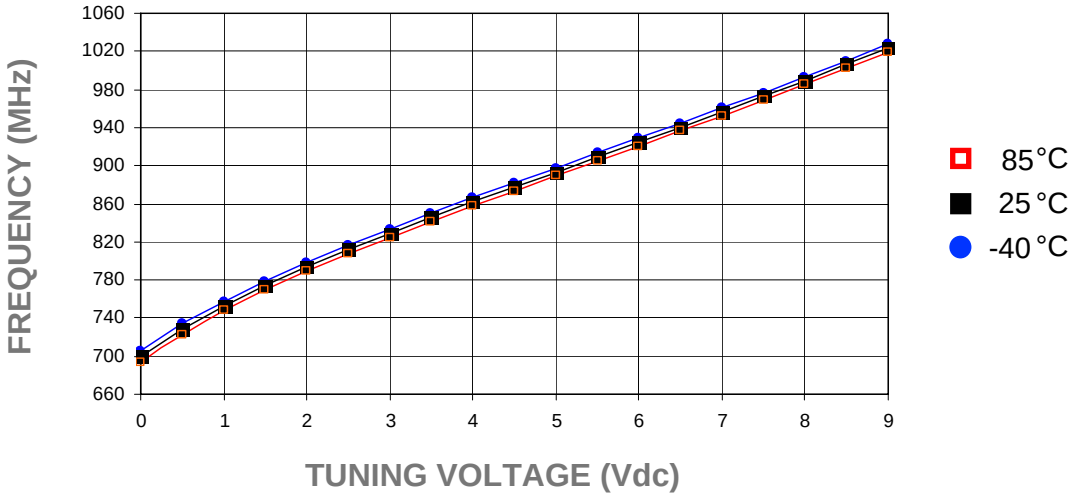
Power Supply Requirements	Min	Typ	Max	Units
Supply Voltage (Vcc, nom.)		5		Vdc
Supply Current (Icc)		22	27	mA

Additional Notes

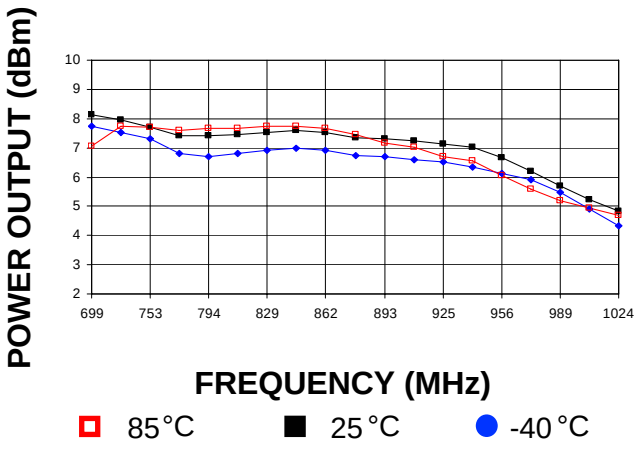
LFSuffix = RoHS Compliant. All specifications are subject to change without notice.

© Z-Communications, Inc. All Rights Reserved.

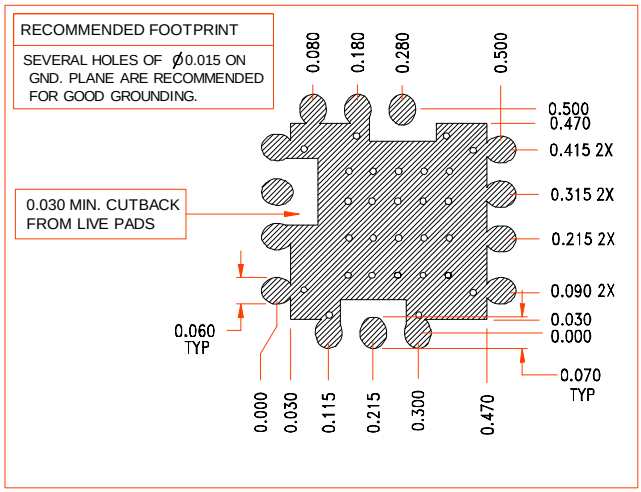
Tuning Curve, typ.



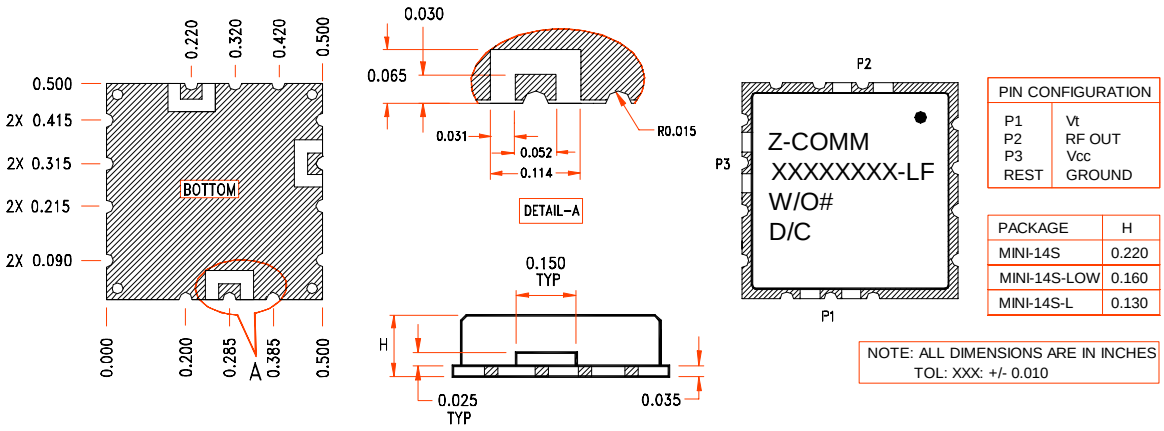
Power Curve, typ.



Footprint



Physical Dimensions



© Z-Communications, Inc. All Rights Reserved.