

14118 Stowe Drive, Suite B | Poway, CA 92064
TEL: (858) 621-2700 | FAX: (858) 486-1927

URL: www.zcomm.com

EMAIL: applications@zcomm.com

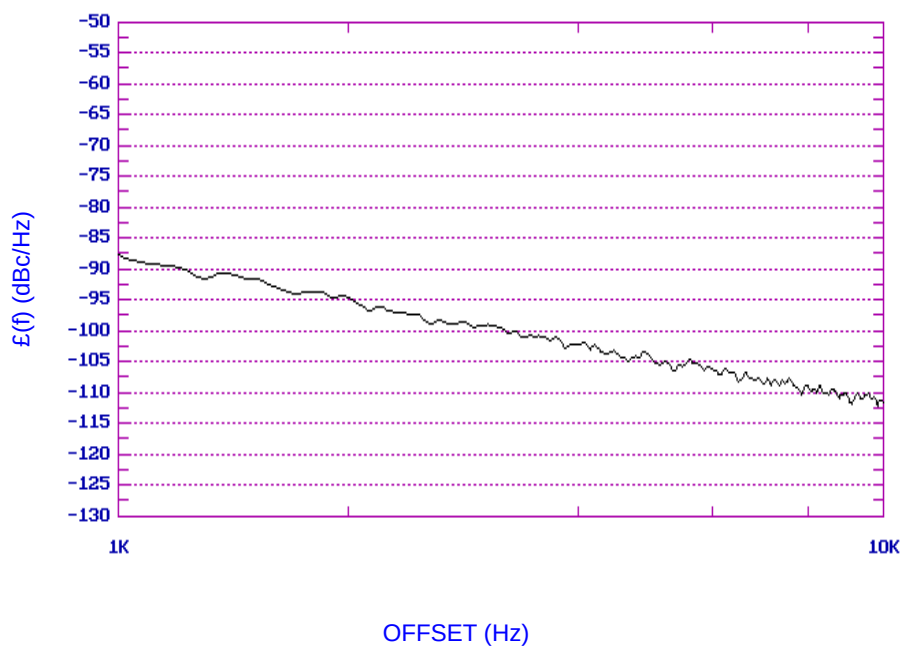
Voltage-Controlled Oscillator Surface Mount Module

Applications

- Digital Radios
- Satellite Communications
- Basestations

Application Notes

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



Performance Specifications

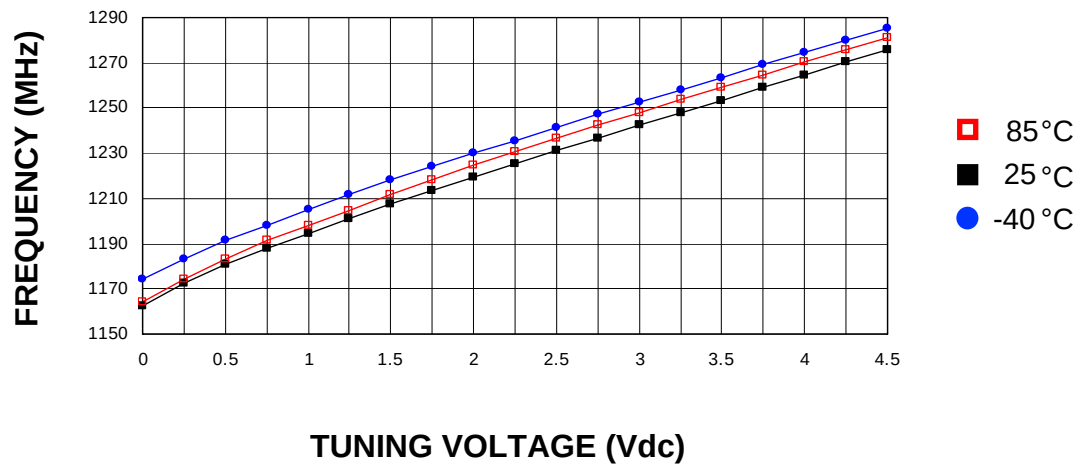
	Min	Typ	Max	Units
Oscillation Frequency Range	1218		1220	MHz
Phase Noise @ 10 kHz offset (1 Hz BW)		-111		dBc/Hz
Harmonic Suppression (2nd)		-20		dBc
Tuning Voltage	0.5		4.5	Vdc
Tuning Sensitivity (avg.)		23		MHz/V
Power Output	0.5	2.5	4.5	dBm
Load Impedance		50		Ω
Input Capacitance			50	pF
Pushing			1	MHz/V
Pulling (14 dB Return Loss, Any Phase)			1	MHz
Operating Temperature Range	-40		85	$^{\circ}\text{C}$
Package Style		MINI-14S-L		

Power Supply Requirements

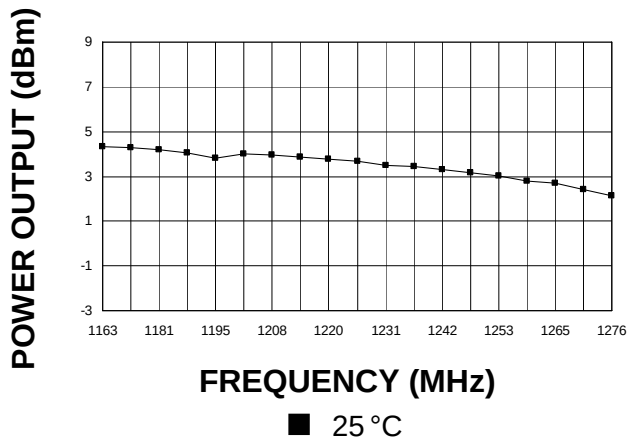
	Min	Typ	Max	Units
Supply Voltage (Vcc, nom.)		5		Vdc
Supply Current (Icc)		25	30	mA

Additional Notes

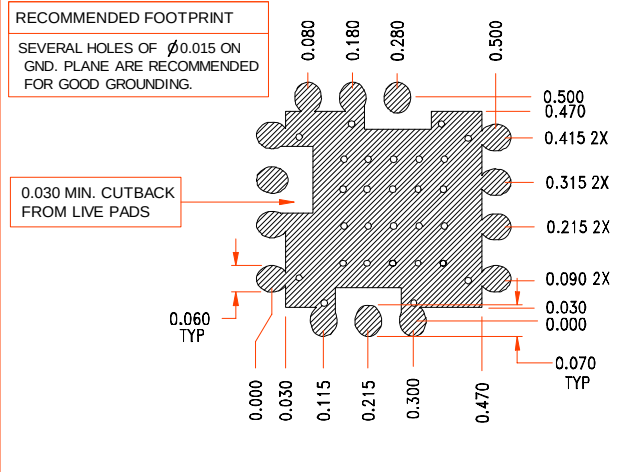
Tuning Curve, typ.



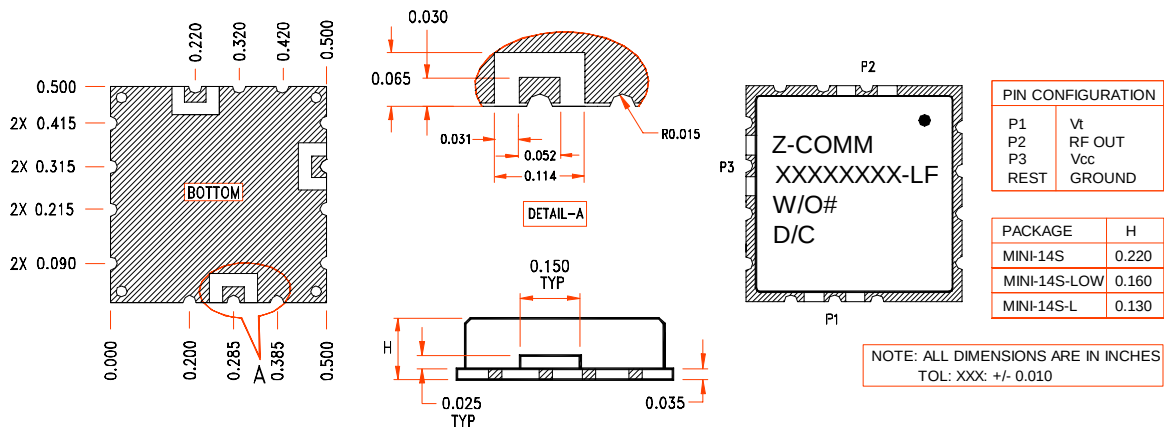
Power Curve, typ.



Footprint



Physical Dimensions



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