

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

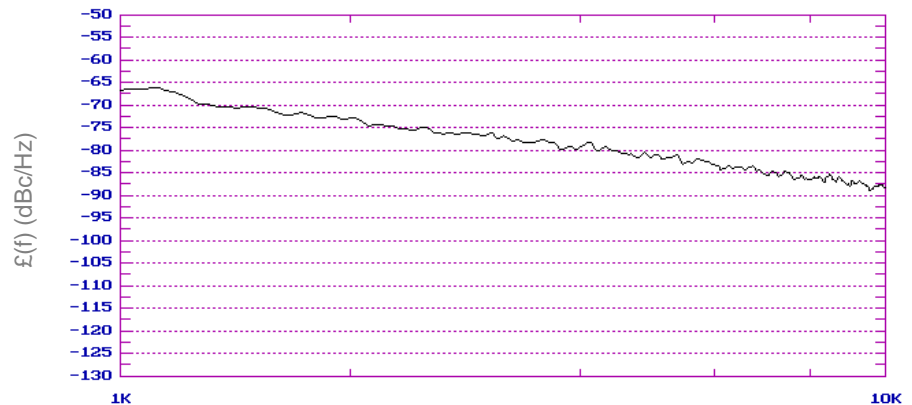
Voltage-Controlled Oscillator Surface Mount Module

Applications

- VSAT
- Earthstations
- Mobile Radios

Application Notes

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



OFFSET (Hz)

Performance Specifications

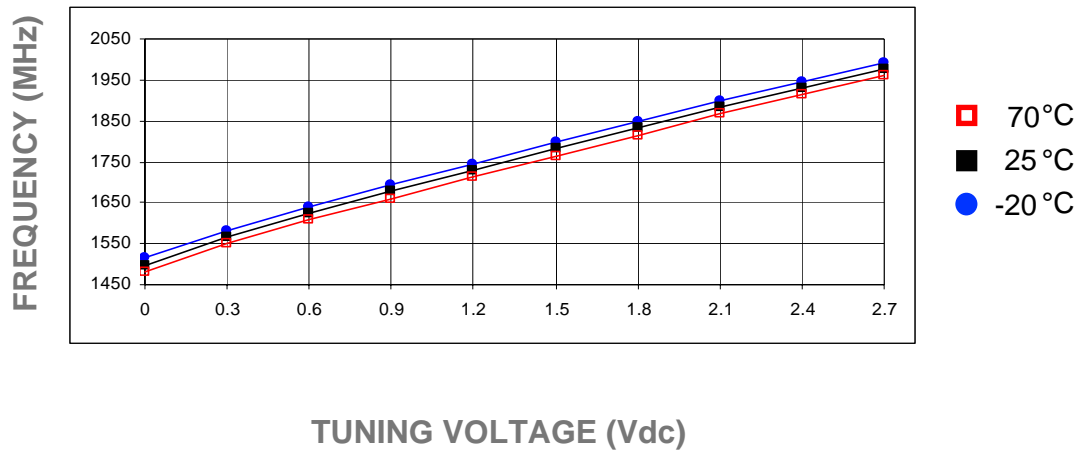
	Min	Typ	Max	Units
Oscillation Frequency Range	1680		1760	MHz
Phase Noise @ 10 kHz offset (1 Hz BW)		-88		dBc/Hz
Harmonic Suppression (2nd)		-10	-8	dBc
Tuning Voltage	0.3		2.7	Vdc
Tuning Sensitivity (avg.)		142		MHz/V
Power Output	4	7.25	10.5	dBm
Load Impedance		50		Ω
Input Capacitance			50	pF
Pushing			20	MHz/V
Pulling (14 dB Return Loss, Any Phase)			25	MHz
Operating Temperature Range	-20		70	$^{\circ}\text{C}$
Package Style		SUB-L		

Power Supply Requirements

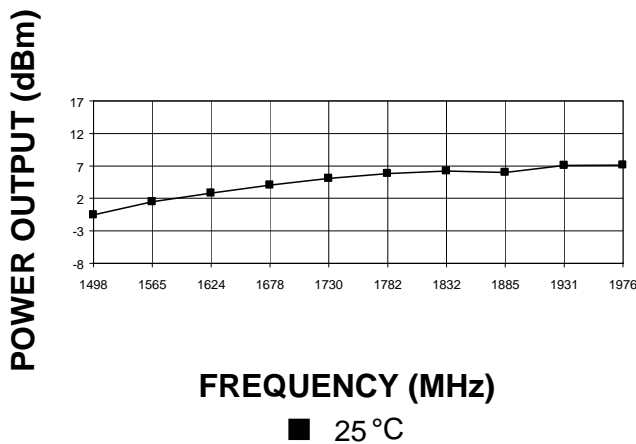
	Min	Typ	Max	Units
Supply Voltage (Vcc, nom.)		3		Vdc
Supply Current (Icc)		14	17	mA

Additional Notes

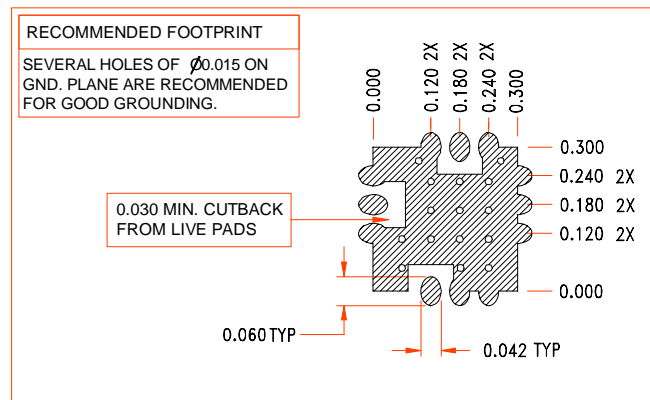
Tuning Curve, typ.



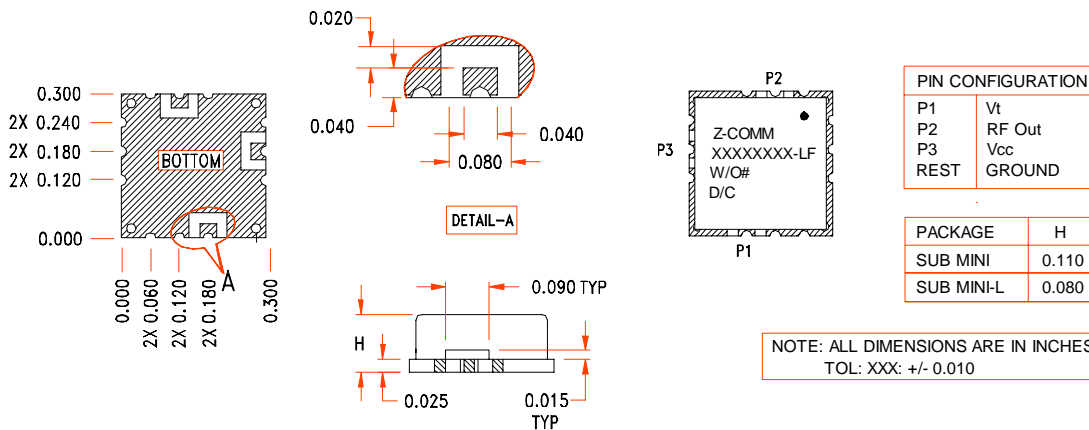
Power Curve, typ.



Footprint



Physical Dimensions



NOTE: ALL DIMENSIONS ARE IN INCHES
TOL: XXX: +/- 0.010

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