

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

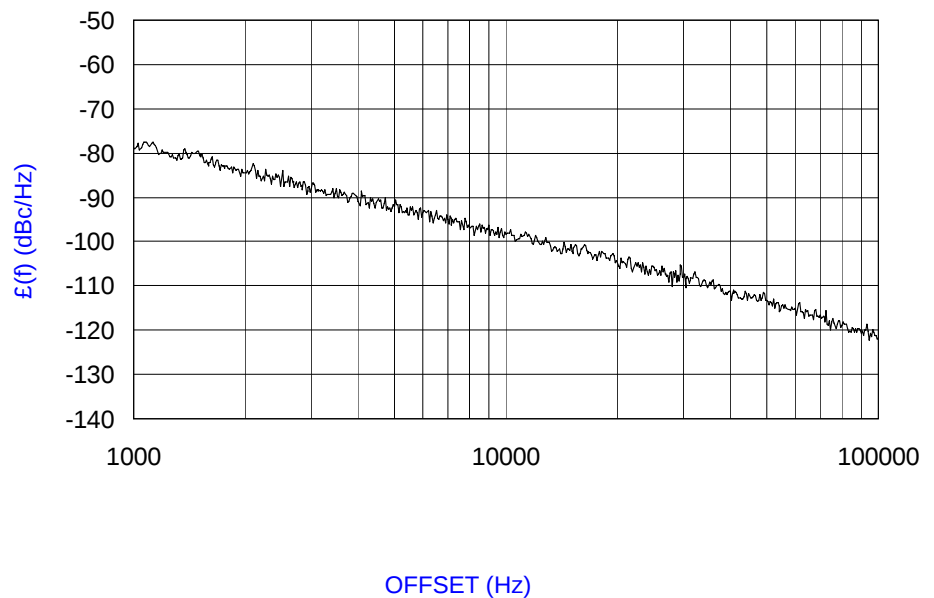
Voltage-Controlled Oscillator Surface Mount Module

Applications

- Portable Radios
- RF Modems
- Satellite Communications

Application Notes

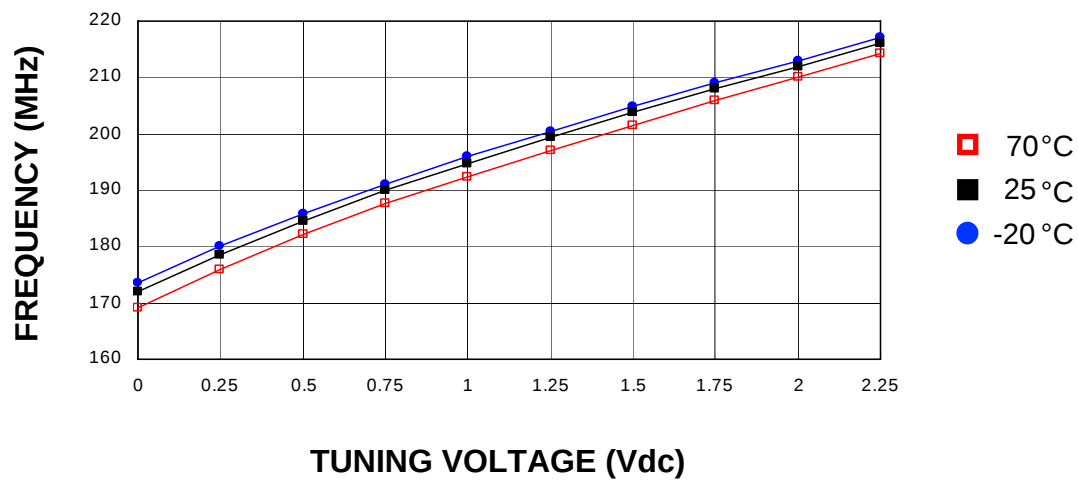
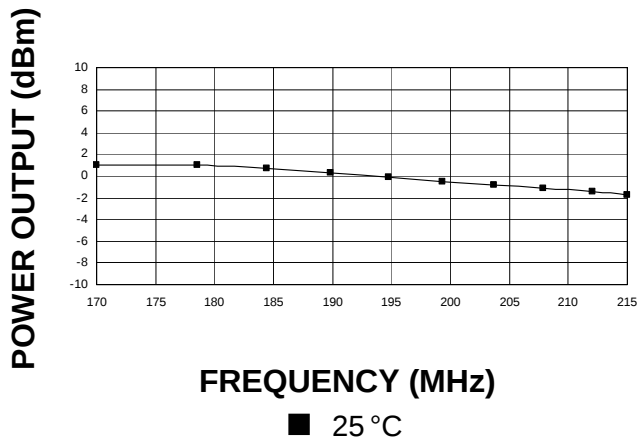
- AN-101: Mounting and Grounding
- AN-102: Output Loading
- AN-107: Manual Soldering



Performance Specifications	Min	Typ	Max	Units
Oscillation Frequency Range	200		212	MHz
Phase Noise @ 10 kHz offset (1 Hz BW)		-98		dBc/Hz
Harmonic Suppression (2nd)		-10		dBc
Tuning Voltage	0.5		2.25	Vdc
Tuning Sensitivity (avg.)		17		MHz/V
Power Output	-4	-.5	3	dBm
Load Impedance		50		Ω
Input Capacitance			500	pF
Pushing			2	MHz/V
Pulling (14 dB Return Loss, Any Phase)			1	MHz
Operating Temperature Range	-20		70	$^{\circ}\text{C}$
Package Style		SUB-L		

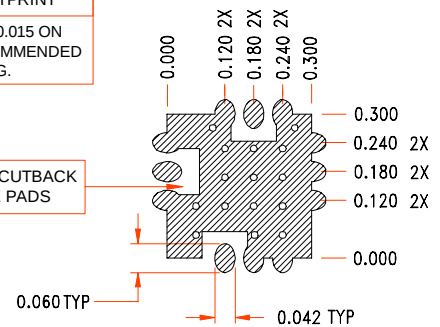
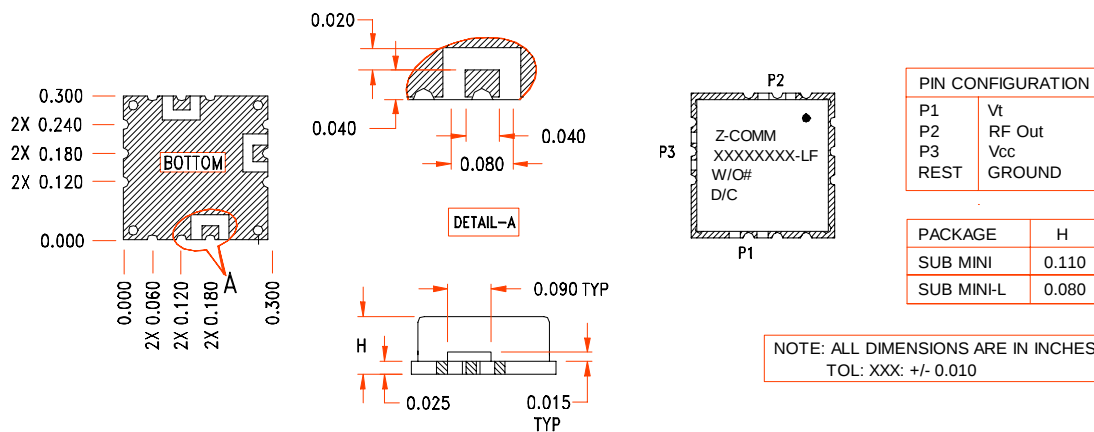
Power Supply Requirements	Min	Typ	Max	Units
Supply Voltage (Vcc, nom.)		2.85		Vdc
Supply Current (Icc)		16	20	mA

Additional Notes

Tuning Curve, typ.

Power Curve, typ.

Footprint
RECOMMENDED FOOTPRINT

SEVERAL HOLES OF $\phi 0.015$ ON GND. PLANE ARE RECOMMENDED FOR GOOD GROUNDING.

0.030 MIN. CUTBACK FROM LIVE PADS


Physical Dimensions


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