

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

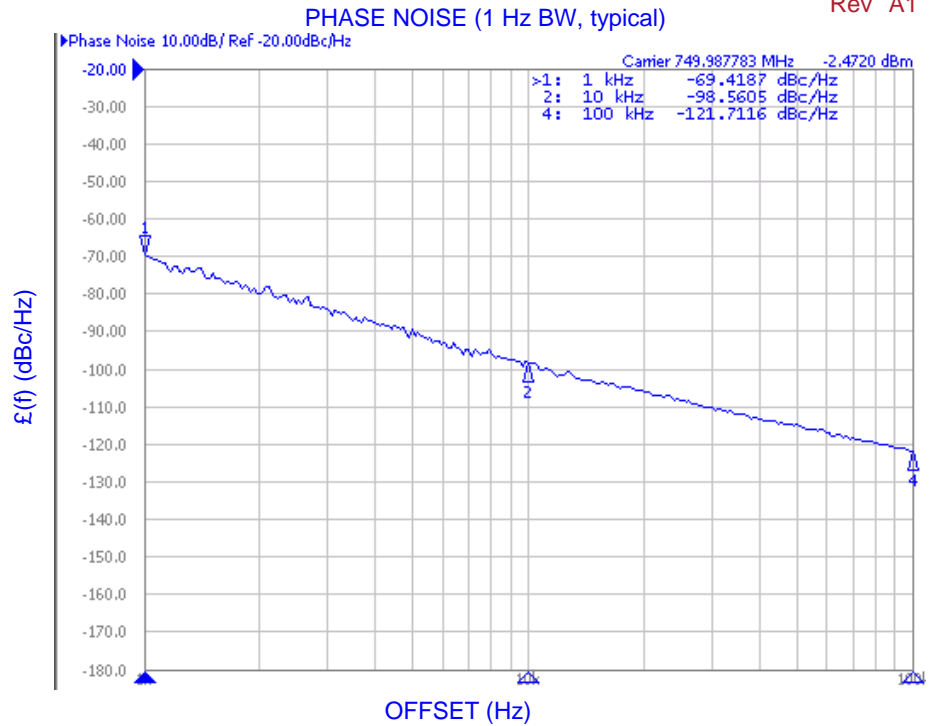
### Voltage-Controlled Oscillator Surface Mount Module

#### Applications

- Mobitex 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	500		1000	MHz
Phase Noise @ 10 kHz offset (1 Hz BW)		-96		dBc/Hz
Harmonic Suppression (2nd)		-40		dBc
Tuning Voltage	0.8		13.5	Vdc
Tuning Sensitivity (avg.)		46		MHz/V
Power Output	-2	2.5	7	dBm
Load Impedance		50		$\Omega$
Input Capacitance			150	pF
Pushing			3	MHz/V
Pulling (14 dB Return Loss, Any Phase)			.5	MHz
Operating Temperature Range	-40		85	$^{\circ}\text{C}$
Package Style		MINI-16-L		

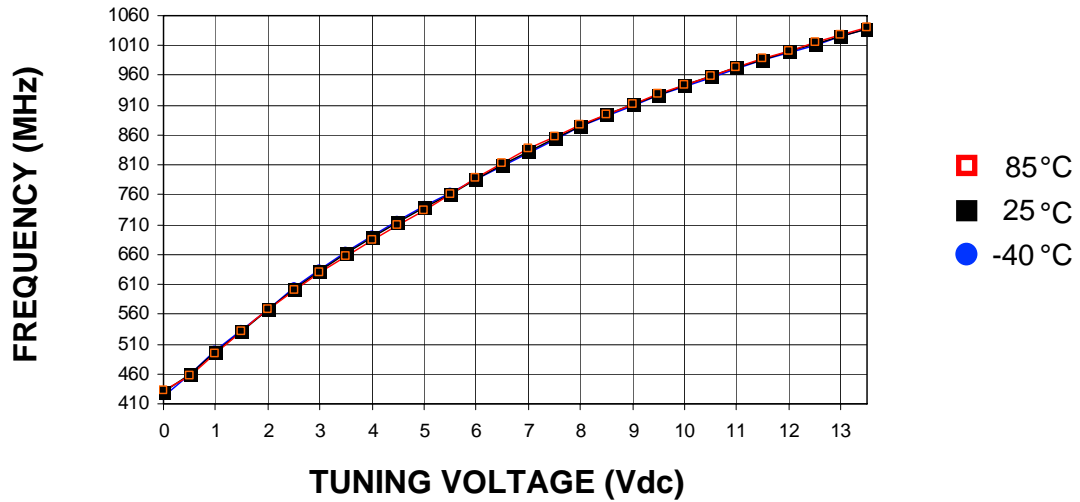
#### Power Supply Requirements

	Min	Typ	Max	Units
Supply Voltage (Vcc, nom.)		12		Vdc
Supply Current (Icc)		21	25	mA

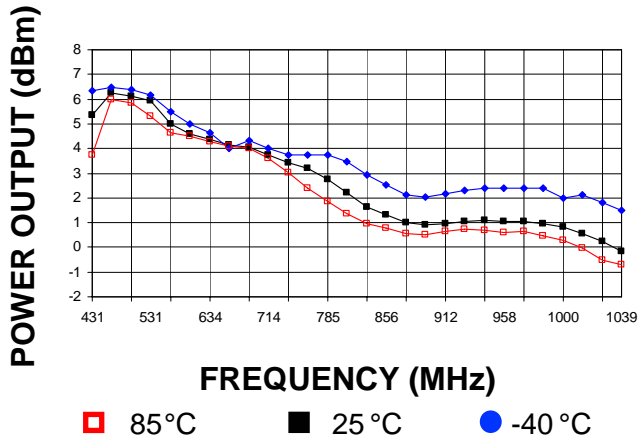
#### Additional Notes

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

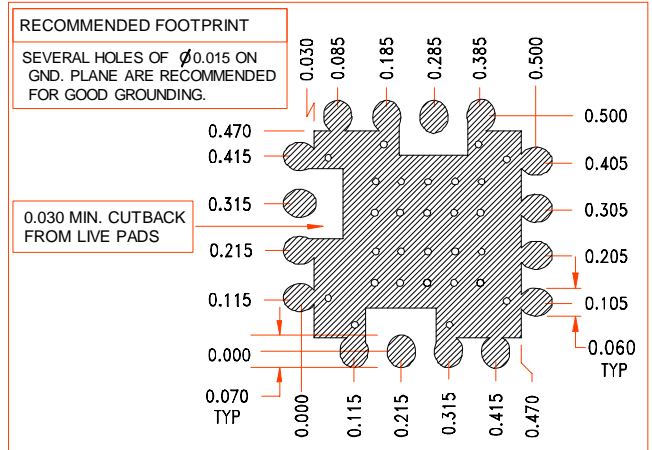
Tuning Curve, typ.



Power Curve, typ.



Footprint



Physical Dimensions



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