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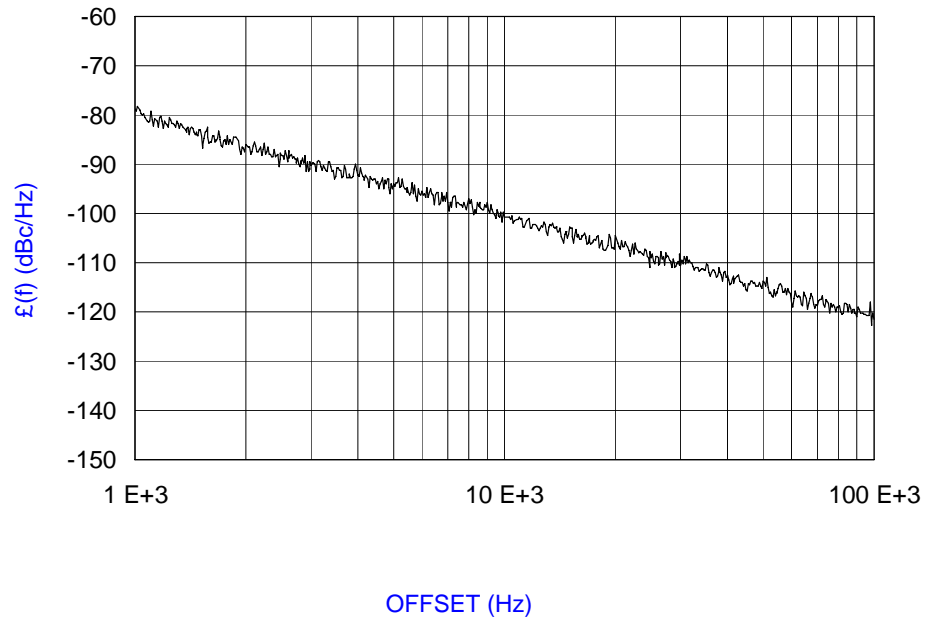
### Voltage-Controlled Oscillator Surface Mount Module

#### Applications

- Test Instrumentation
- Digital Radios / RF Modems
- Earthstations / CATV

#### Application Notes

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



#### Performance Specifications

	Min	Typ	Max	Units
Oscillation Frequency Range	169		181	MHz
Phase Noise @ 10 kHz offset (1 Hz BW)		-100		dBc/Hz
Harmonic Suppression (2nd)		-10	-9	dBc
Tuning Voltage	.4		2.2	Vdc
Tuning Sensitivity (avg.)		14		MHz/V
Power Output	-2	.5	3	dBm
Load Impedance		50		$\Omega$
Input Capacitance			500	pF
Pushing			1	MHz/V
Pulling (14 dB Return Loss, Any Phase)			.1	MHz
Operating Temperature Range	0		70	$^{\circ}\text{C}$
Package Style		USSP		

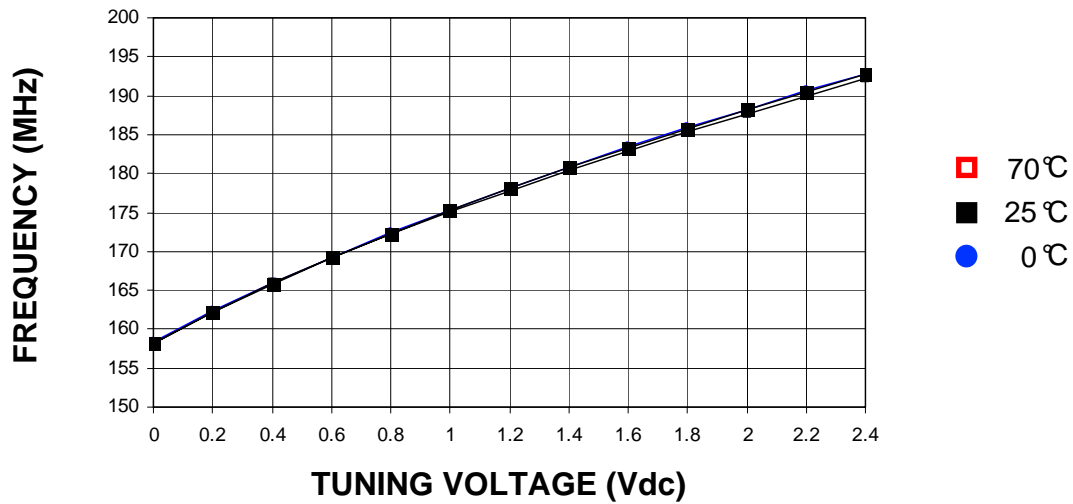
#### Power Supply Requirements

	Min	Typ	Max	Units
Supply Voltage (Vcc, nom.)		3		Vdc
Supply Current (Icc)		12	16	mA

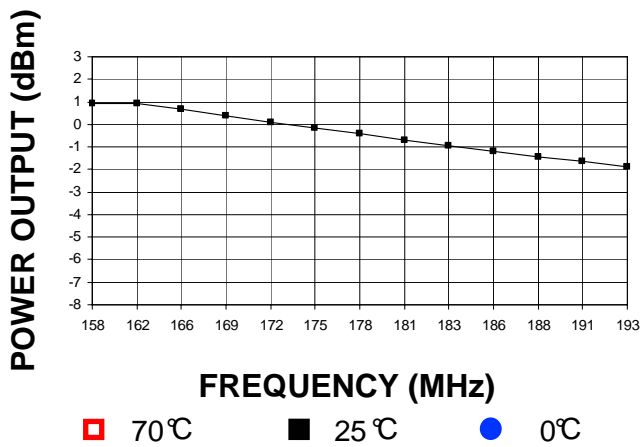
#### Additional Notes

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

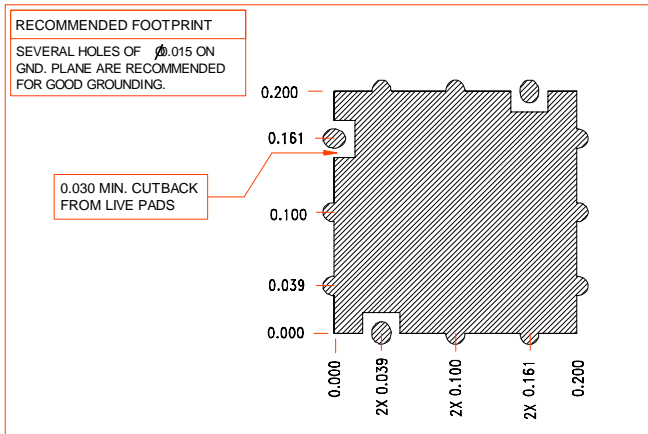
Tuning Curve, typ.



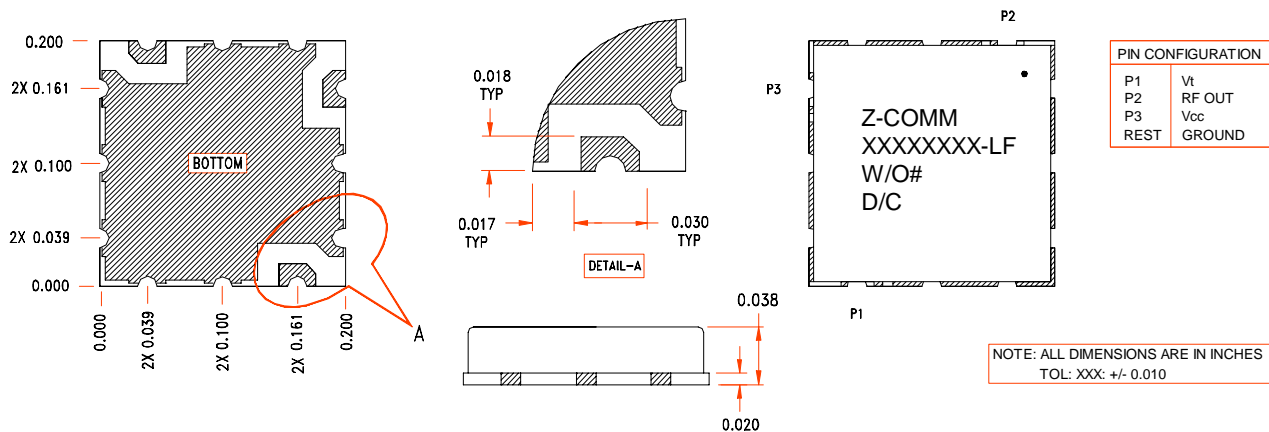
Power Curve, typ.



Footprint



Physical Dimensions



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