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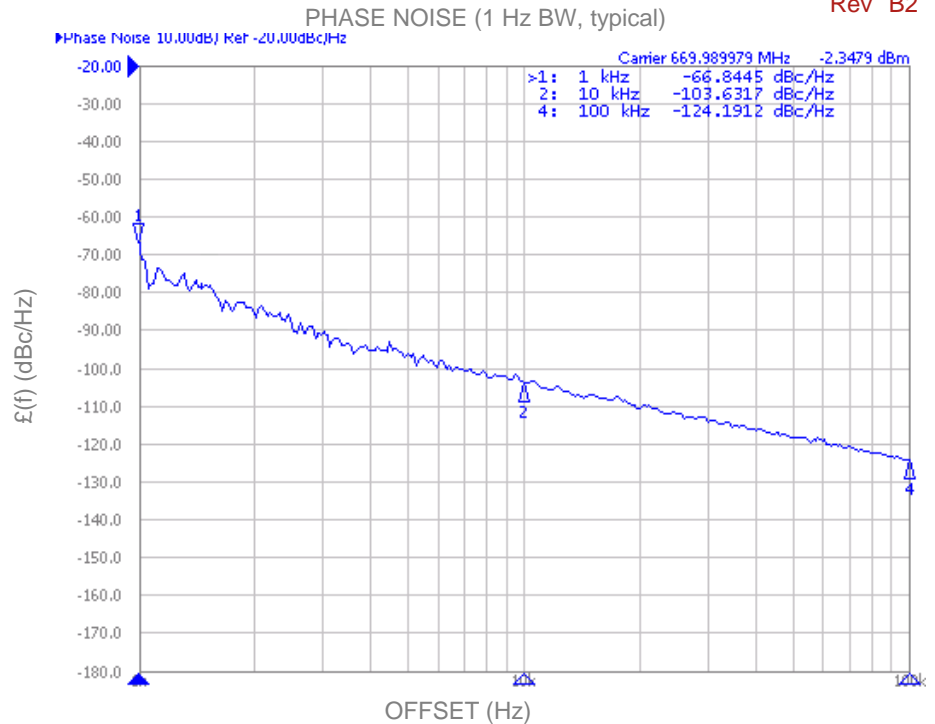
## Voltage-Controlled Oscillator Surface Mount Module

### Applications

- Satellite Communications
- Portable Radios
- RF Modems

### Application Notes

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

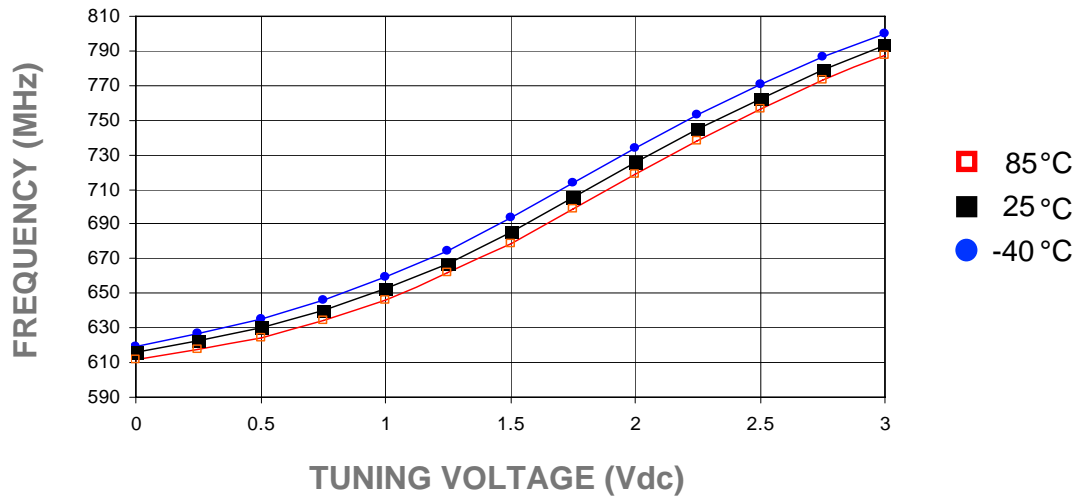


Performance Specifications	Min	Typ	Max	Units
Oscillation Frequency Range	641		687	MHz
Phase Noise @ 10 kHz offset (1 Hz BW)		-103		dBc/Hz
Harmonic Suppression (2nd)		-10		dBc
Tuning Voltage	0.5		3	Vdc
Tuning Sensitivity (avg.)		65		MHz/V
Power Output	0	3	6	dBm
Load Impedance		50		$\Omega$
Input Capacitance			50	pF
Pushing			5	MHz/V
Pulling (20. dB Return Loss, Any Phase)			5	MHz
Operating Temperature Range	-40		85	$^{\circ}\text{C}$
Package Style		SUB-L		

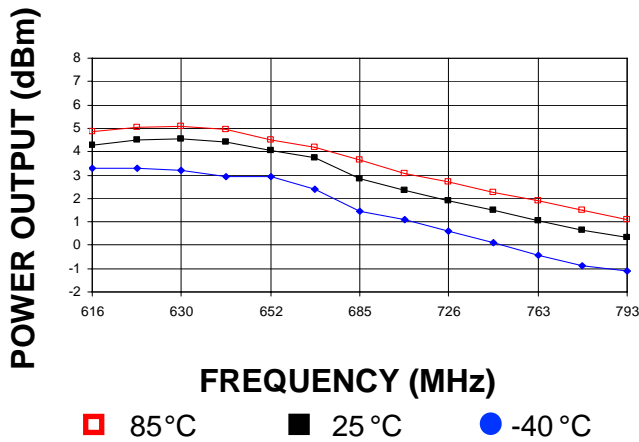
Power Supply Requirements	Min	Typ	Max	Units
Supply Voltage (Vcc, nom.)		2.7		Vdc
Supply Current (Icc)		10	13	mA

### Additional Notes

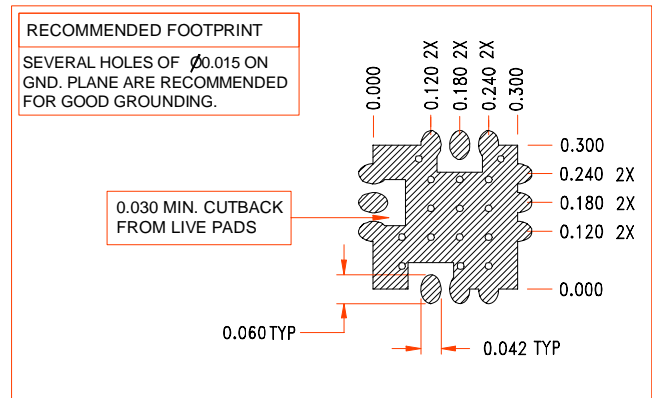
Tuning Curve, typ.



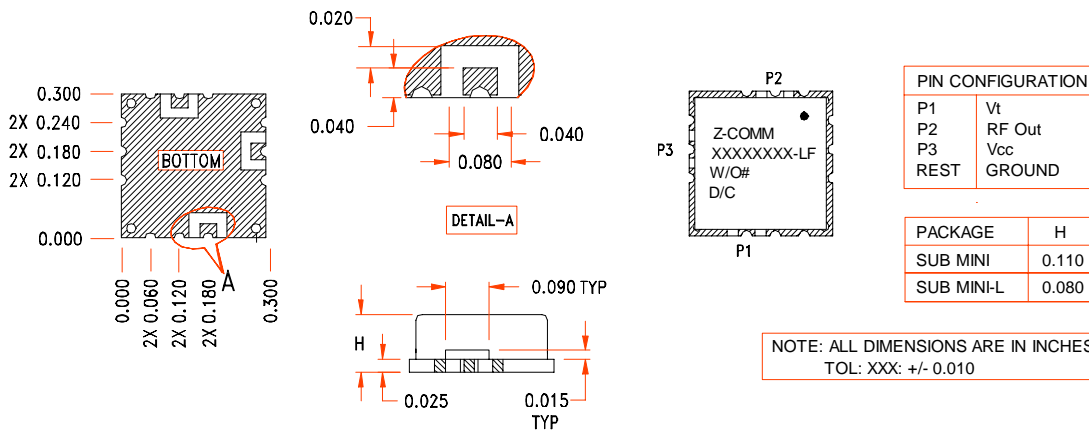
Power Curve, typ.



Footprint



Physical Dimensions



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