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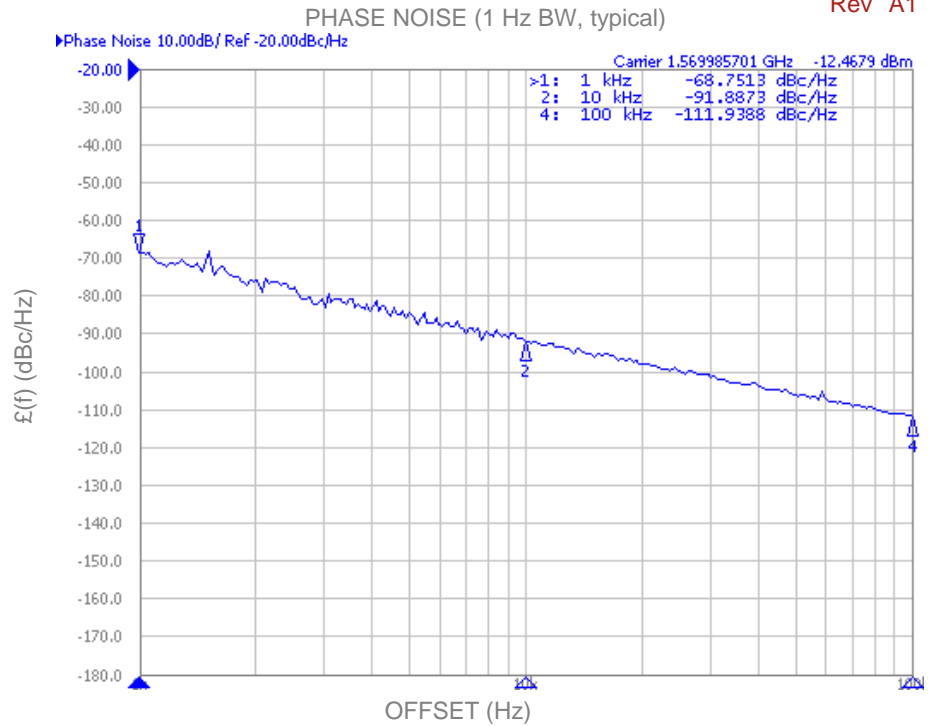
## Voltage-Controlled Oscillator Surface Mount Module

### Applications

- Mobile Radios
- Portable Test Equipment
- Satellite Communication Terminals

### Application Notes

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

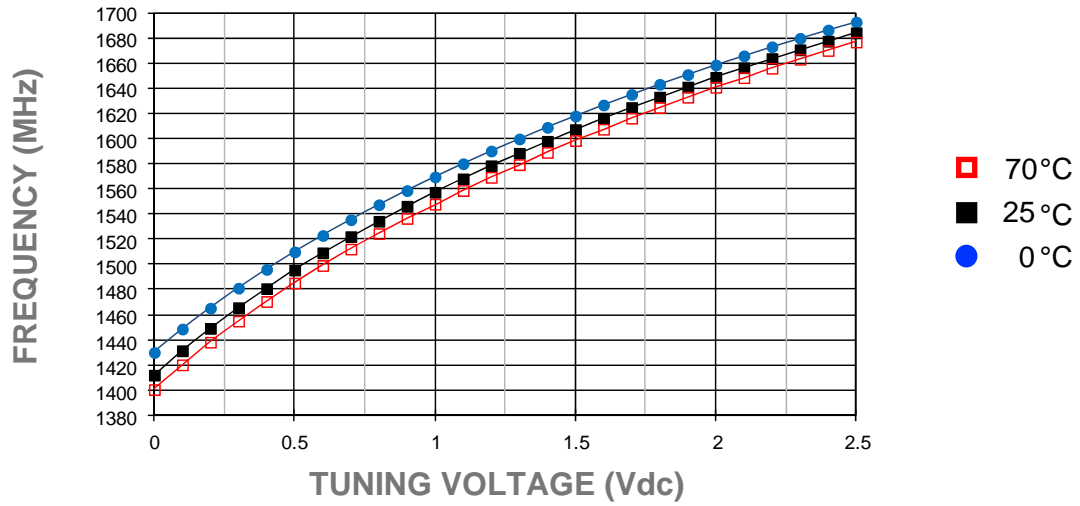


Performance Specifications	Min	Typ	Max	Units
Oscillation Frequency Range	1540		1600	MHz
Phase Noise @ 10 kHz offset (1 Hz BW)		-90		dBc/Hz
Harmonic Suppression (2nd)		-25	-15	dBc
Tuning Voltage	0.5		2.5	Vdc
Tuning Sensitivity (avg.)		115		MHz/V
Power Output	-4	-1	2	dBm
Load Impedance		50		$\Omega$
Input Capacitance			50	pF
Pushing			5	MHz/V
Pulling ( dB Return Loss, Any Phase)			4	MHz
Operating Temperature Range	0		70	$^{\circ}\text{C}$
Package Style		USSP		

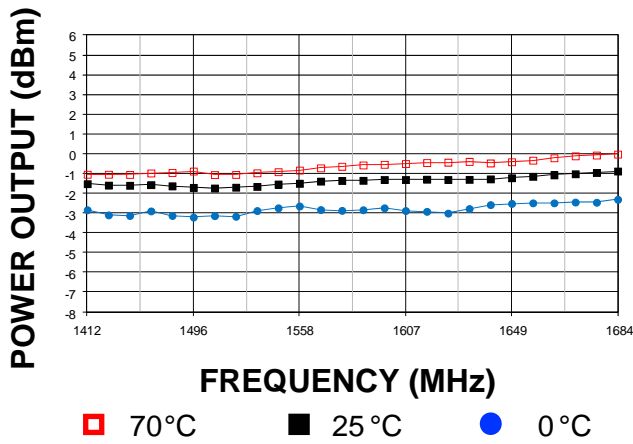
Power Supply Requirements	Min	Typ	Max	Units
Supply Voltage (Vcc, nom.)		2.7		Vdc
Supply Current (Icc)		7	10	mA

### Additional Notes

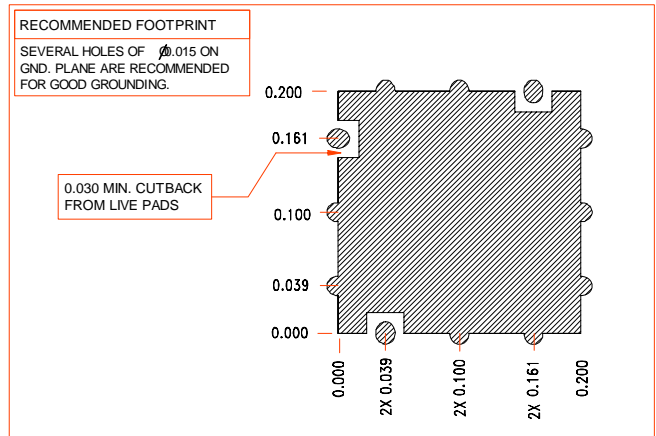
Tuning Curve, typ.



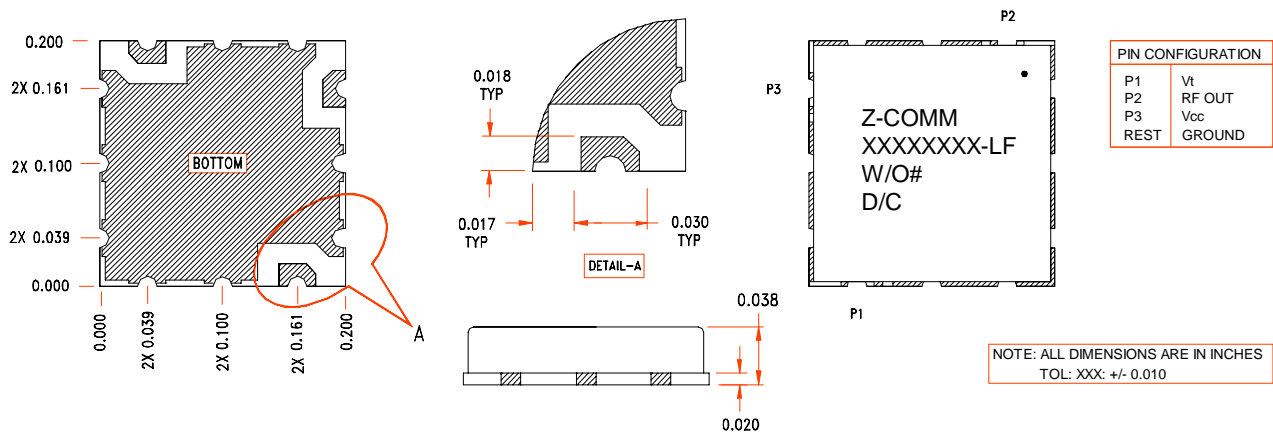
Power Curve, typ.



Footprint



Physical Dimensions



PIN CONFIGURATION	
P1	Vt
P2	RF OUT
P3	Vcc
REST	GROUND

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