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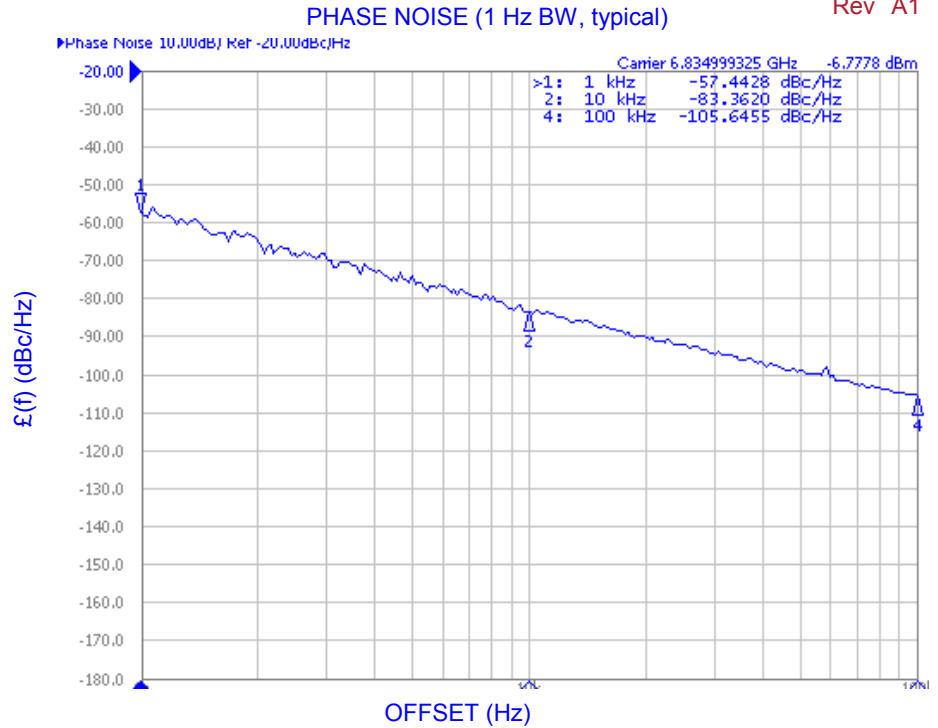
Voltage-Controlled Oscillator Surface Mount Module

Applications

- High Speed Digital Clocks
- Microwave Radios
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Application Notes

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



Performance Specifications

	Min	Typ	Max	Units
Oscillation Frequency Range	6834		6835	MHz
Phase Noise @ 10 kHz offset (1 Hz BW)		-80		dBc/Hz
Harmonic Suppression (2nd)		-20	-15	dBc
Tuning Voltage	0		2.8	Vdc
Tuning Sensitivity (avg.)		140		MHz/V
Power Output	-4	-5	3	dBm
Load Impedance		50		Ω
Input Capacitance			20	pF
Pushing			10	MHz/V
Pulling (12 dB Return Loss, Any Phase)			25	MHz
Operating Temperature Range	0		70	$^{\circ}\text{C}$
Package Style	MINI-16HL-SM			

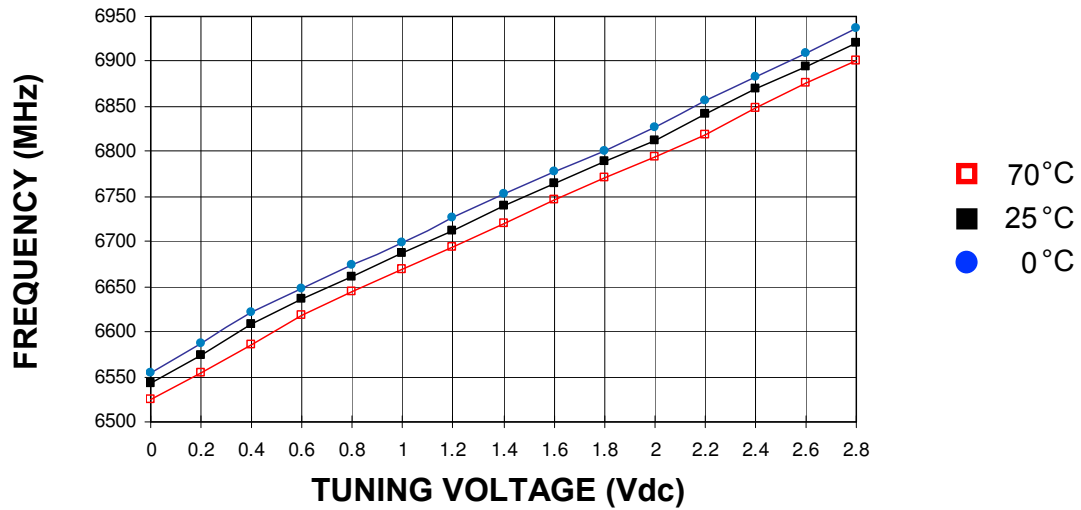
Power Supply Requirements

	Min	Typ	Max	Units
Supply Voltage (Vcc, nom.)		4.5		Vdc
Supply Current (Icc)		24	30	mA

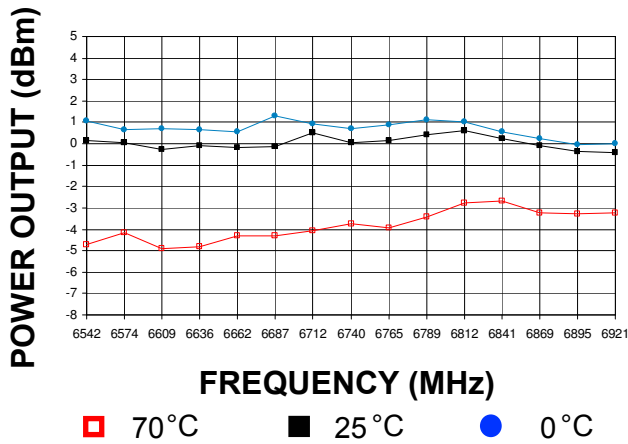
Additional Notes

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

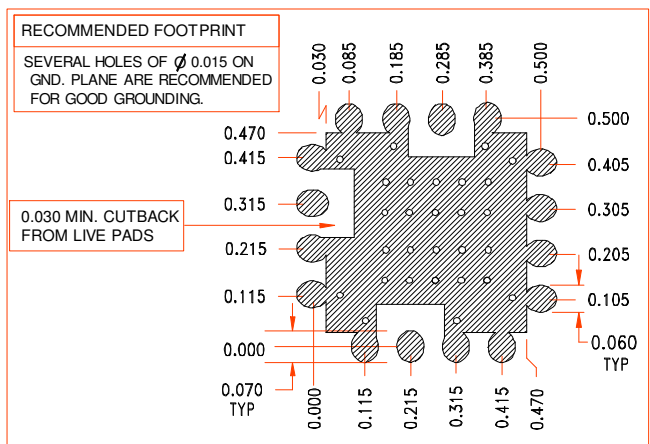
Tuning Curve, typ.



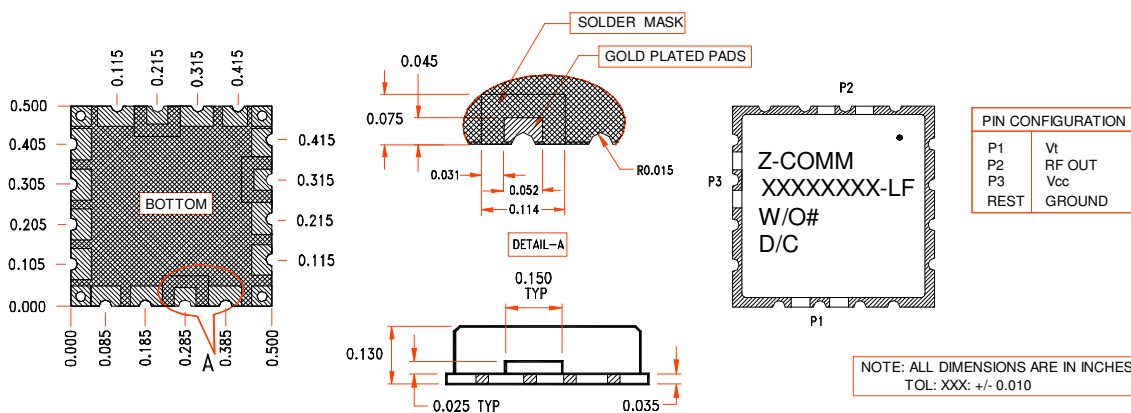
Power Curve, typ.



Footprint



Physical Dimensions



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