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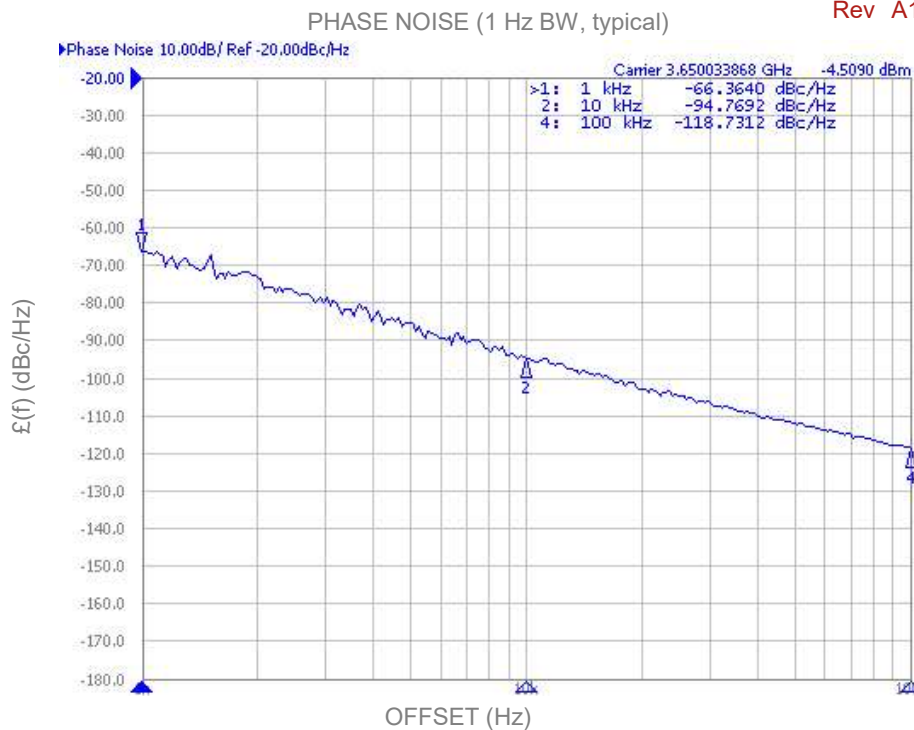
Voltage-Controlled Oscillator Surface Mount Module

Applications

Satellite Communications
 Microwave Radios

Application Notes

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

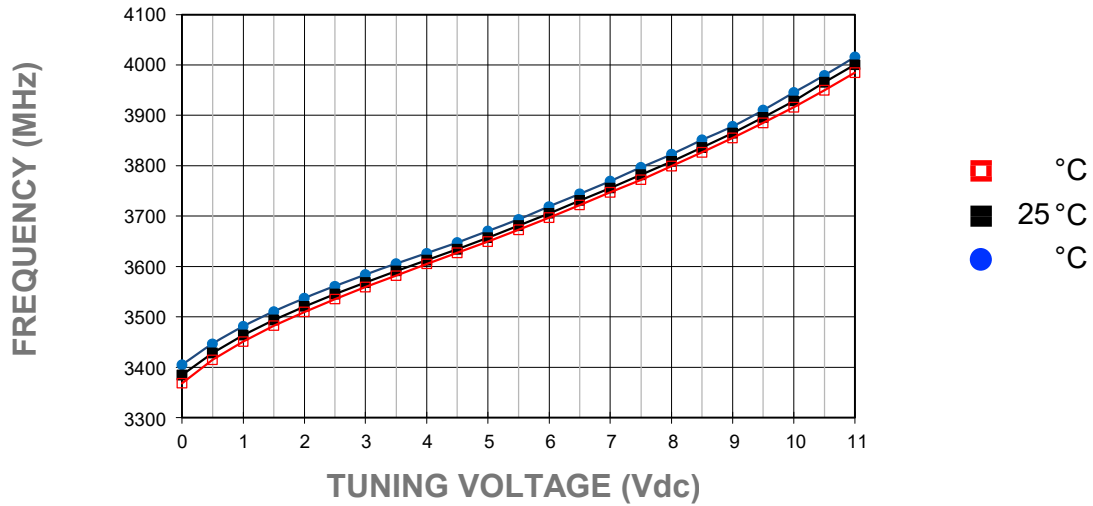


Performance Specifications	Min	Typ	Max	Units
Oscillation Frequency Range	3490		3810	MHz
Phase Noise @ 10 kHz offset (1 Hz BW)		-93		dBc/Hz
Harmonic Suppression (2nd)		-28	-15	dBc
Tuning Voltage	1		11	Vdc
Tuning Sensitivity (avg.)		47		MHz/V
Power Output	-2	0.5	3	dBm
Load Impedance		50		Ω
Input Capacitance			50	pF
Pushing			3	MHz/V
Pulling (14 dB Return Loss, Any Phase)			3	MHz
Operating Temperature Range	-55		100	$^{\circ}\text{C}$
Package Style	MINI-16HL-SM			

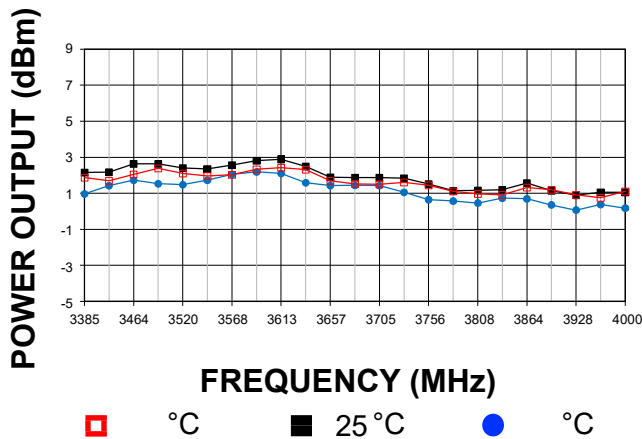
Power Supply Requirements	Min	Typ	Max	Units
Supply Voltage (Vcc, nom.)		8		Vdc
Supply Current (Icc)		26	28	mA

Additional Notes

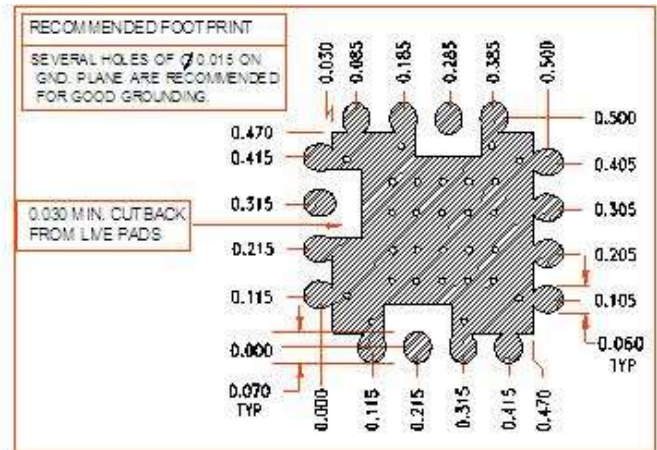
Tuning Curve, typ.



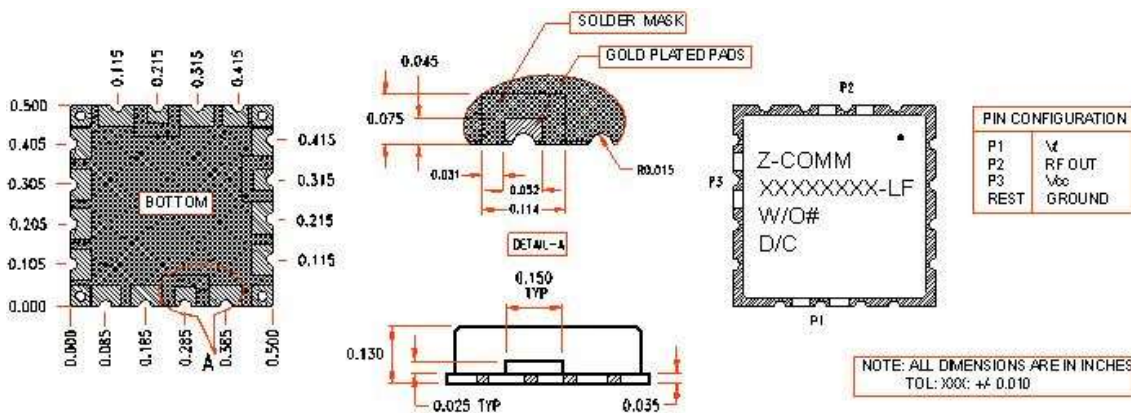
Power Curve, typ.



Footprint



Physical Dimensions



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