

PHASE NOISE (1 Hz BW, typical)

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Voltage-Controlled Oscillator Surface Mount Module

Applications

Satellite Communications
 Test Instrumentation
 Clock Sources

Application Notes

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

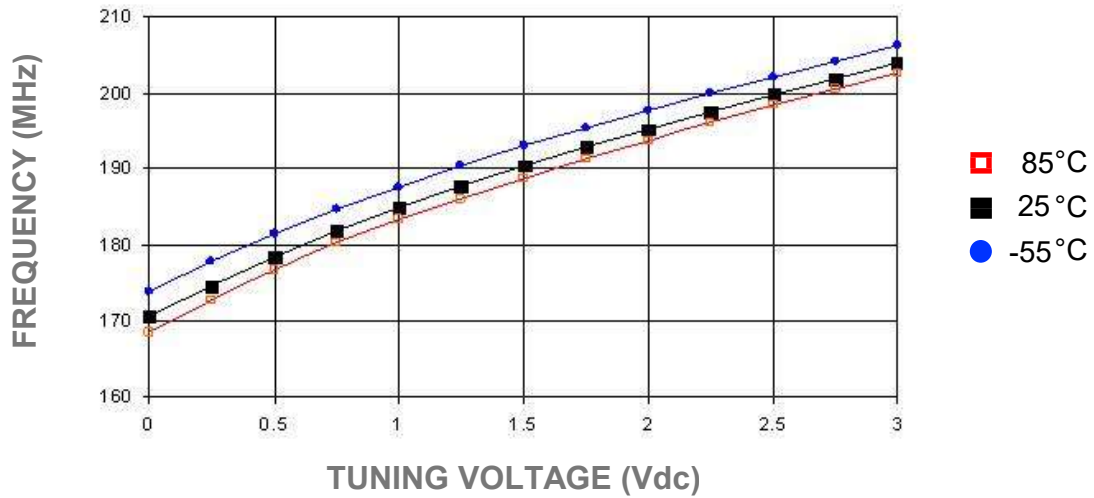


Performance Specifications	Min	Typ	Max	Units
Oscillation Frequency Range	180		195	MHz
Phase Noise @ 10 kHz offset (1 Hz BW)		-101		dBc/Hz
Harmonic Suppression (2nd)		-13	-10	dBc
Tuning Voltage	0		3	Vdc
Tuning Sensitivity (avg.)		12		MHz/V
Power Output	-3	0	3	dBm
Load Impedance		50		Ω
Input Capacitance			500	pF
Pushing			1	MHz/V
Pulling (dB Return Loss, Any Phase)			1	MHz
Operating Temperature Range	-55		85	$^{\circ}\text{C}$
Package Style		SUB-L		

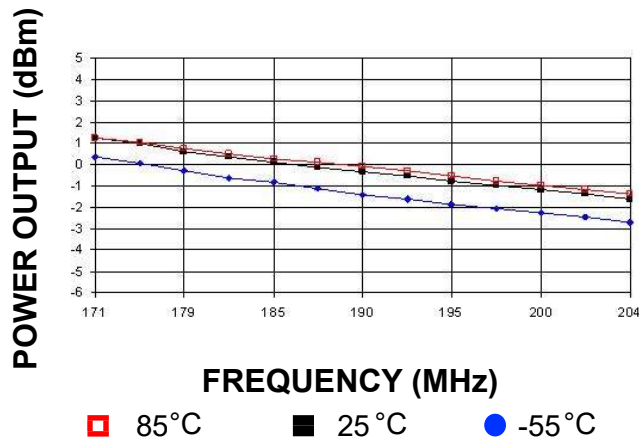
Power Supply Requirements	Min	Typ	Max	Units
Supply Voltage (Vcc, nom.)		3.3		Vdc
Supply Current (Icc)		15	20	mA

Additional Notes

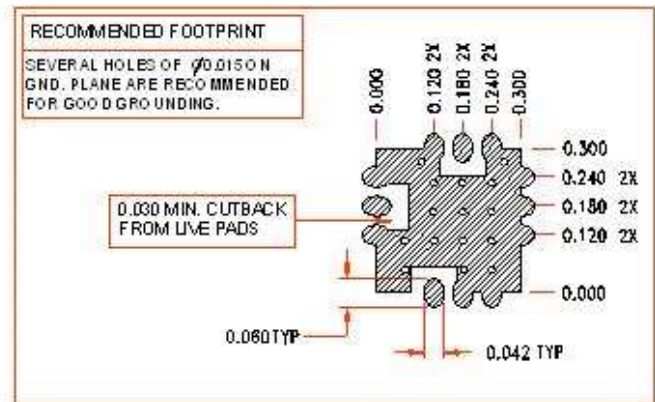
Tuning Curve, typ.



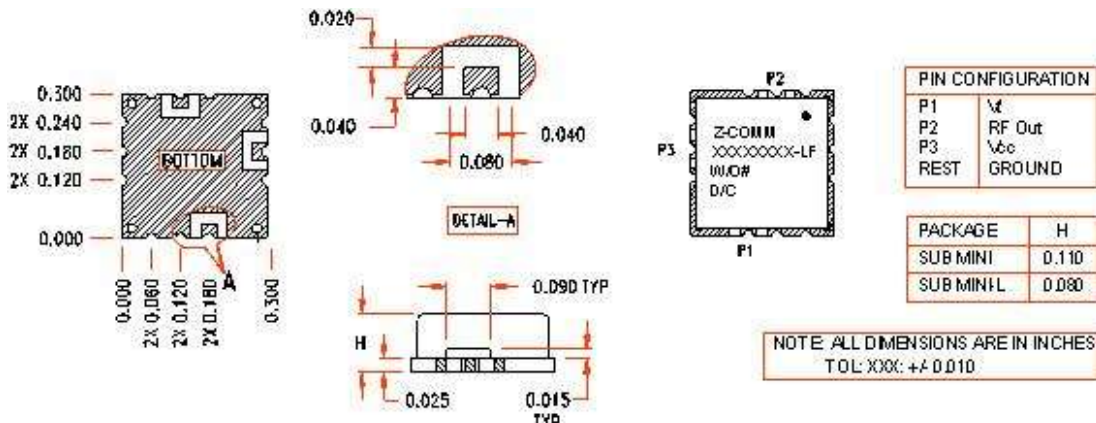
Power Curve, typ.



Footprint



Physical Dimensions



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