

PHASE NOISE (1 Hz BW, typical)

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Voltage-Controlled Oscillator Surface Mount Module

Applications

Satellite Communications
 Portable Radios
 Test Equipment

Application Notes

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

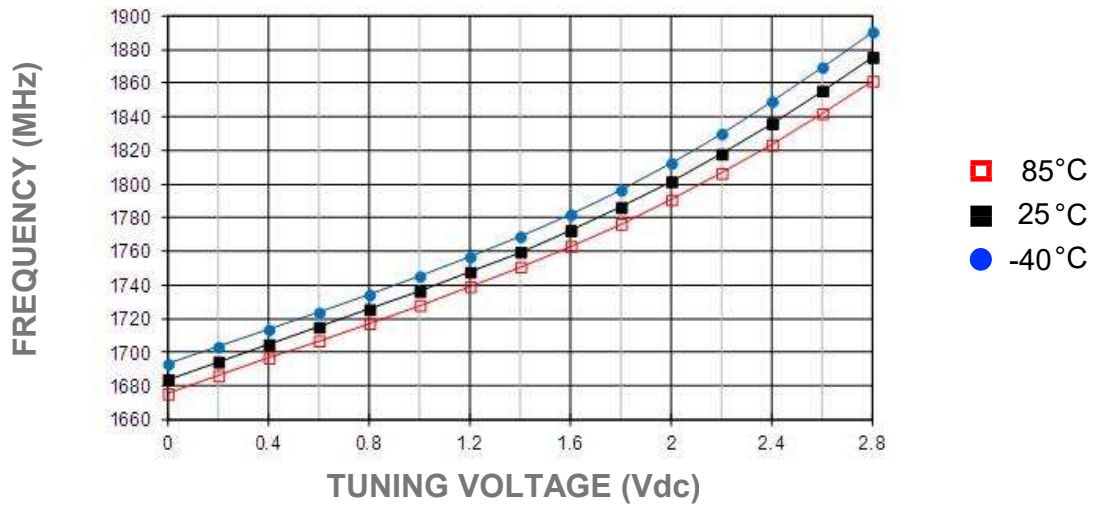


Performance Specifications	Min	Typ	Max	Units
Oscillation Frequency Range	1734		1774	MHz
Phase Noise @ 10 kHz offset (1 Hz BW)		-95		dBc/Hz
Harmonic Suppression (2nd)		-10	-10	dBc
Tuning Voltage	0		2.8	Vdc
Tuning Sensitivity (avg.)		65		MHz/V
Power Output	-2	1	4	dBm
Load Impedance		50		Ω
Input Capacitance			50	pF
Pushing			6	MHz/V
Pulling (20. dB Return Loss, Any Phase)			8	MHz
Operating Temperature Range	-40		85	$^{\circ}\text{C}$
Package Style		SUB-L		

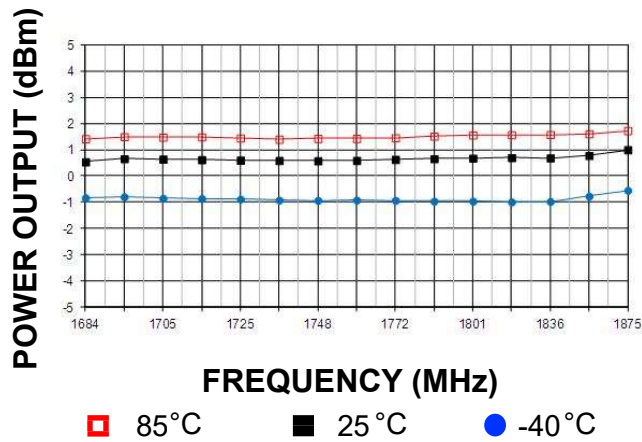
Power Supply Requirements	Min	Typ	Max	Units
Supply Voltage (Vcc, nom.)		3		Vdc
Supply Current (Icc)		10	12	mA

Additional Notes

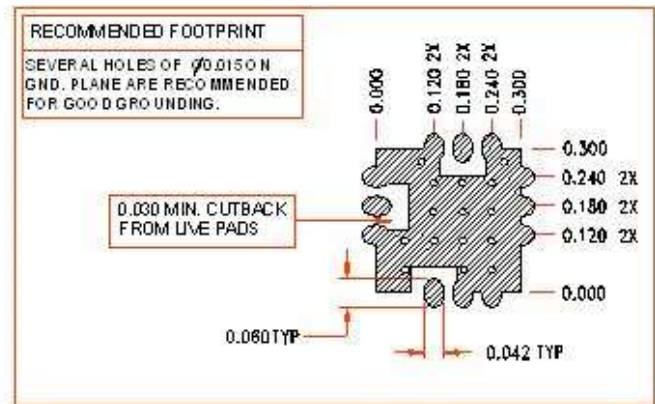
Tuning Curve, typ.



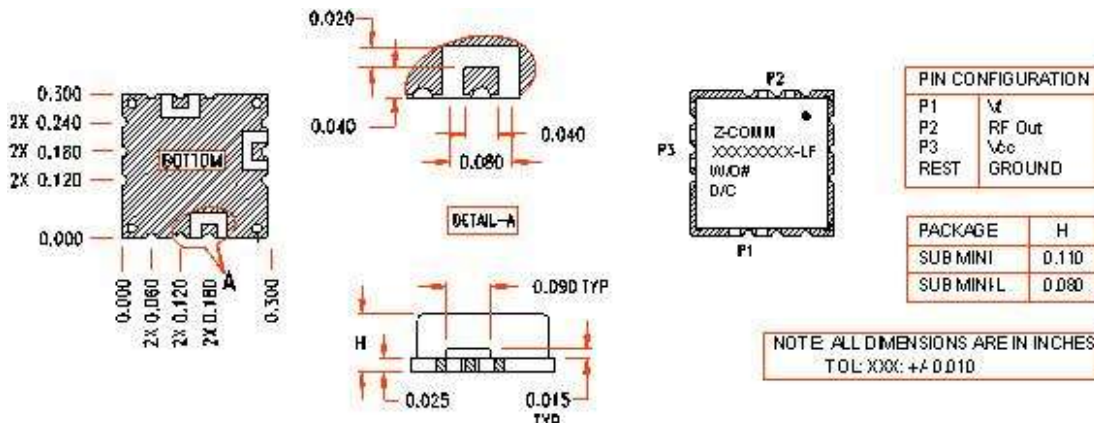
Power Curve, typ.



Footprint



Physical Dimensions



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