

PHASE NOISE (1 Hz BW, typical)

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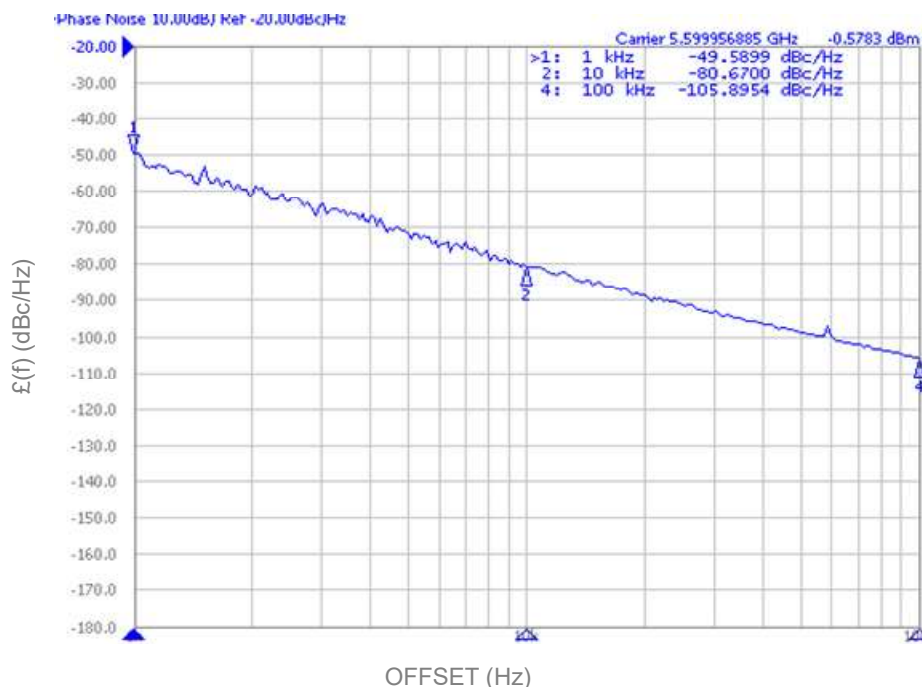
Voltage-Controlled Oscillator Surface Mount Module

Applications

Satellite Communications
 Microwave Radios

Application Notes

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

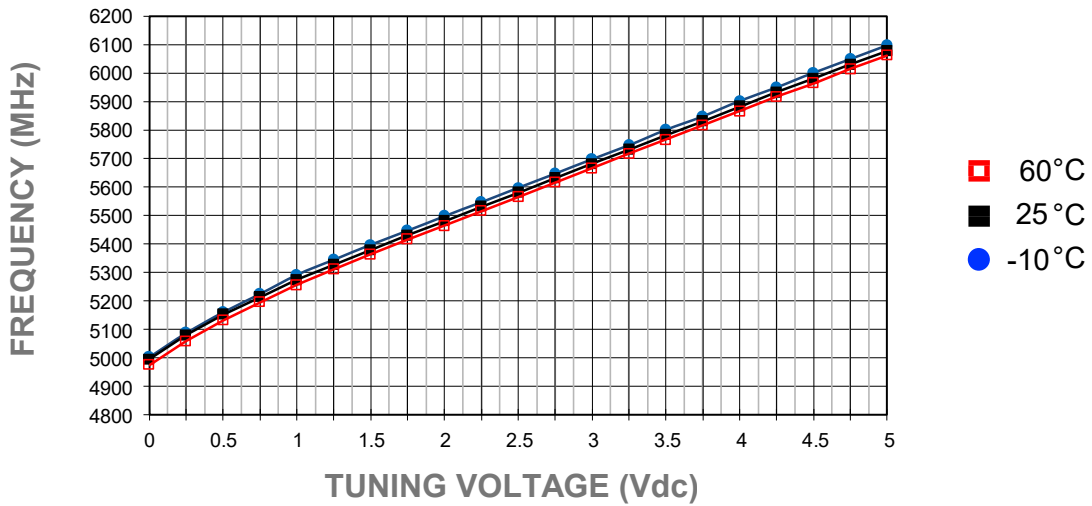


Performance Specifications	Min	Typ	Max	Units
Oscillation Frequency Range	5200		6000	MHz
Phase Noise @ 10 kHz offset (1 Hz BW)		-80		dBc/Hz
Harmonic Suppression (2nd)		-25	-22	dBc
Tuning Voltage	0.3		5	Vdc
Tuning Sensitivity (avg.)		230		MHz/V
Power Output	4	6	8	dBm
Load Impedance		50		Ω
Input Capacitance			15	pF
Pushing			27	MHz/V
Pulling (20. dB Return Loss, Any Phase)			20	MHz
Operating Temperature Range	-10		60	$^{\circ}\text{C}$
Package Style		SUB-L		

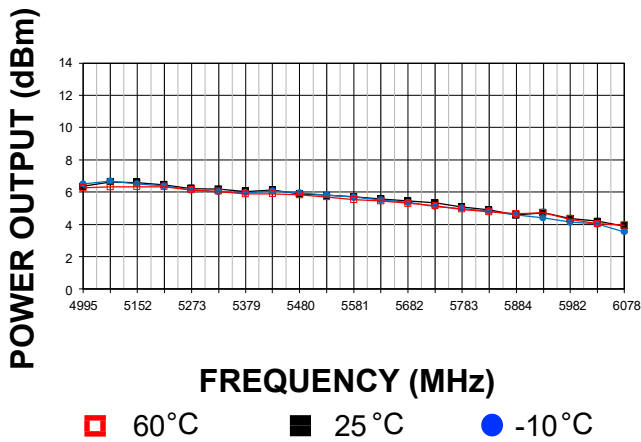
Power Supply Requirements	Min	Typ	Max	Units
Supply Voltage (Vcc, nom.)		5		Vdc
Supply Current (Icc)		30	36	mA

Additional Notes

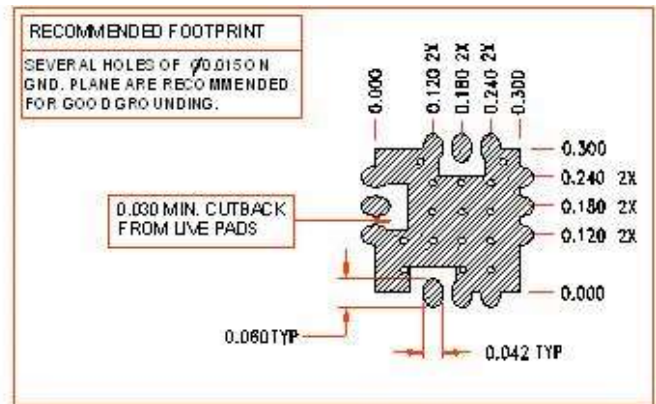
Tuning Curve, typ.



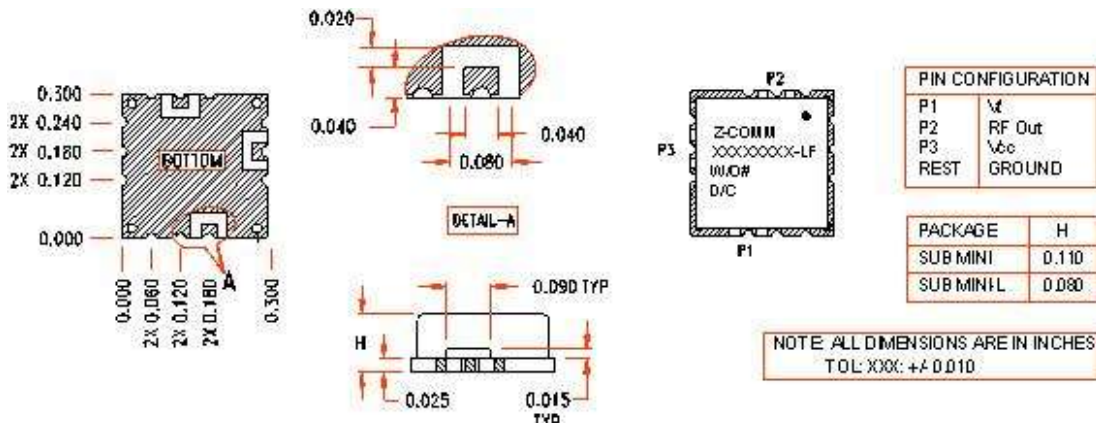
Power Curve, typ.



Footprint



Physical Dimensions



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