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PHASE NOISE (1 Hz BW, typical)

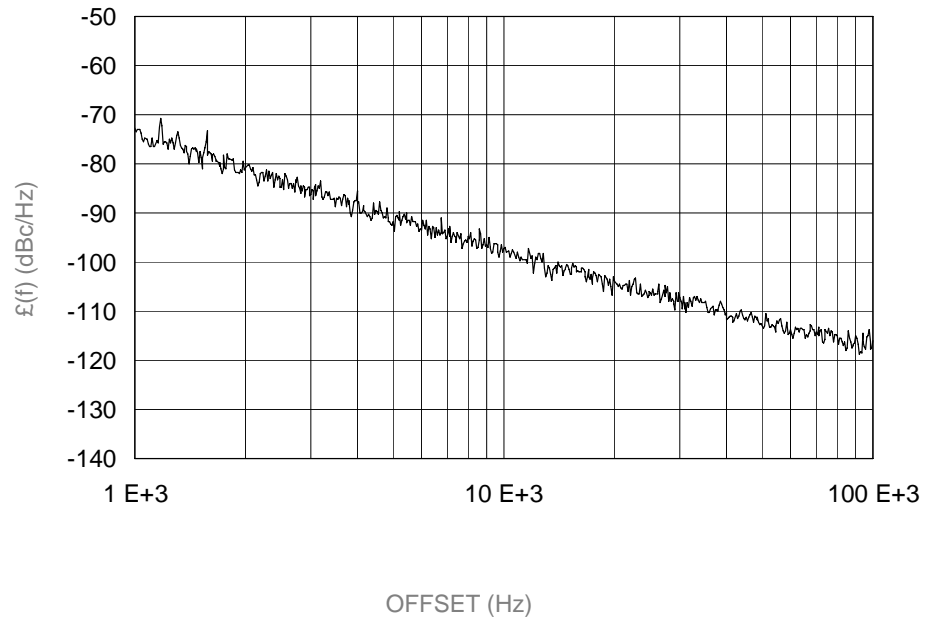
Voltage-Controlled Oscillator Surface Mount Module

Applications

- Satellite Communications
- Test Instrumentations
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Application Notes

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



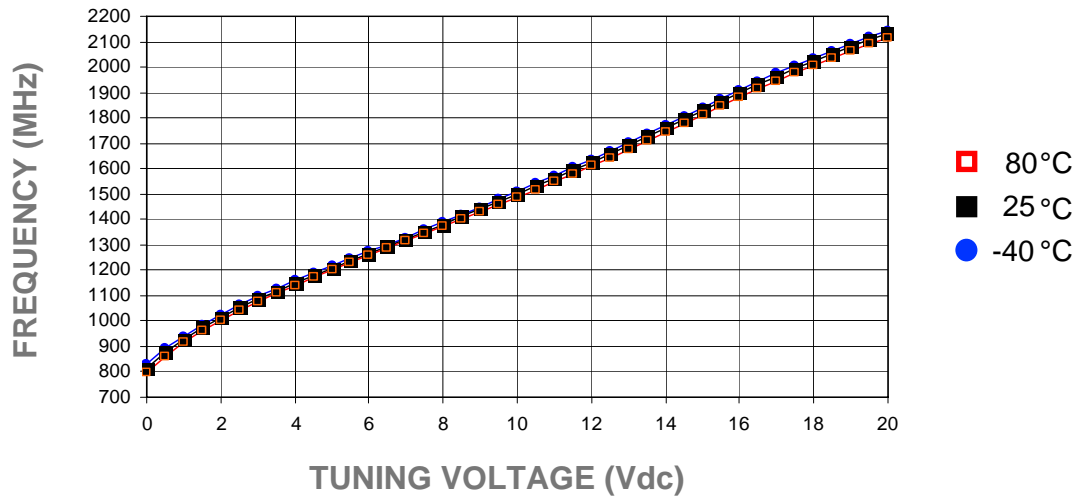
Performance Specifications	Min	Typ	Max	Units
Oscillation Frequency Range	1000		2000	MHz
Phase Noise @ 10 kHz offset (1 Hz BW)		-96		dBc/Hz
Harmonic Suppression (2nd)		-5		dBc
Tuning Voltage	1		20	Vdc
Tuning Sensitivity (avg.)		67		MHz/V
Power Output	3	5.5	8	dBm
Load Impedance		50		Ω
Input Capacitance			100	pF
Pushing			1	MHz/V
Pulling (14 dB Return Loss, Any Phase)			10	MHz
Operating Temperature Range	-40		80	$^{\circ}\text{C}$
Package Style		MINI-14S		

Power Supply Requirements	Min	Typ	Max	Units
Supply Voltage (Vcc, nom.)		10		Vdc
Supply Current (Icc)		15	20	mA

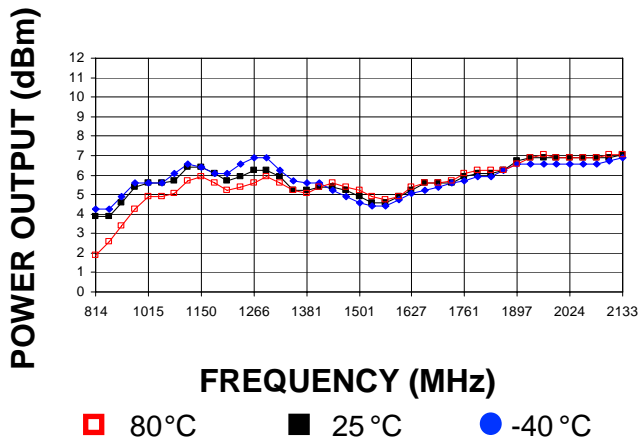
Additional Notes

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

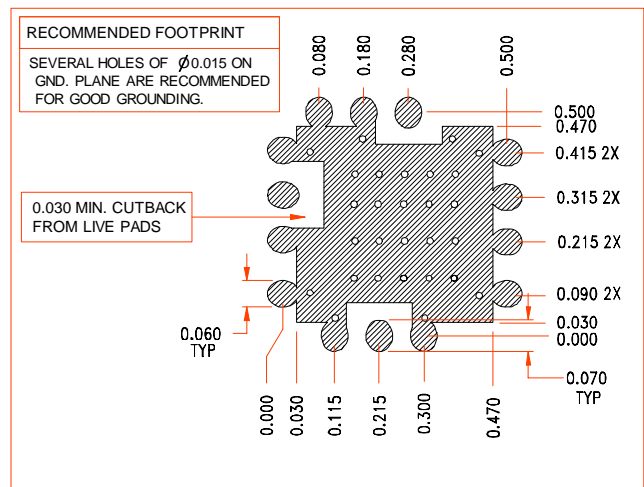
Tuning Curve, typ.



Power Curve, typ.



Footprint



Physical Dimensions



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