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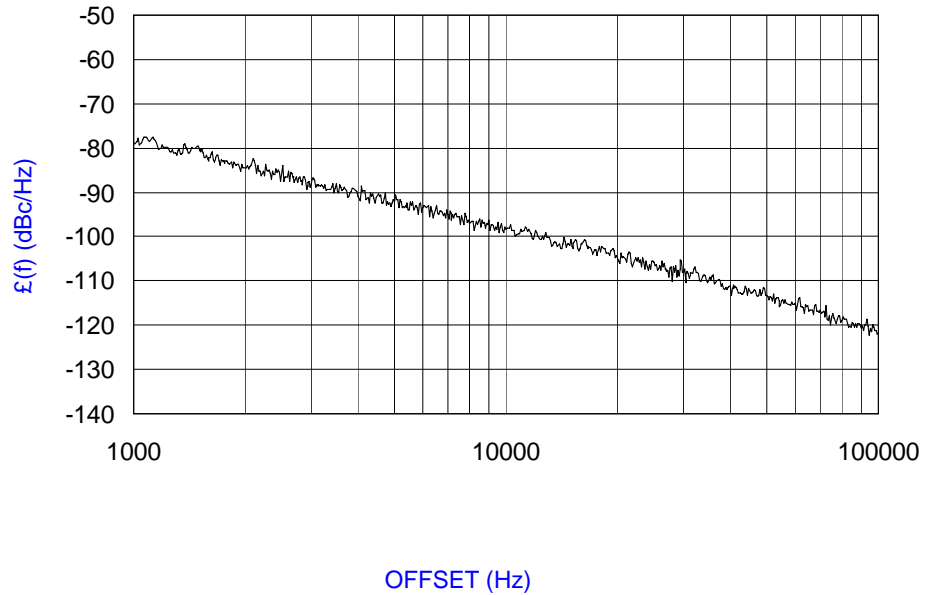
**Voltage-Controlled Oscillator
 Surface Mount Module**

Applications

- Portable Radios
- RF Modems
- Satellite Communications

Application Notes

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



Performance Specifications

	Min	Typ	Max	Units
Oscillation Frequency Range	200		212	MHz
Phase Noise @ 10 kHz offset (1 Hz BW)		-98		dBc/Hz
Harmonic Suppression (2nd)		-10	-8	dBc
Tuning Voltage	0.5		2.25	Vdc
Tuning Sensitivity (avg.)		17		MHz/V
Power Output	-4	-5	3	dBm
Load Impedance		50		Ω
Input Capacitance			500	pF
Pushing			2	MHz/V
Pulling (20. dB Return Loss, Any Phase)			1	MHz
Operating Temperature Range	-20		70	$^{\circ}\text{C}$
Package Style		SUB-L		

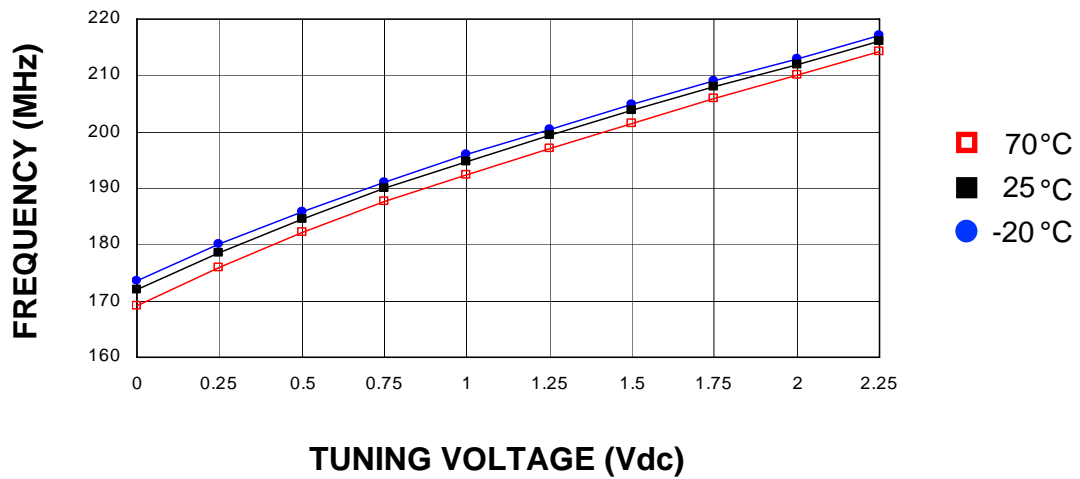
Power Supply Requirements

	Min	Typ	Max	Units
Supply Voltage (Vcc, nom.)		2.85		Vdc
Supply Current (Icc)		16	20	mA

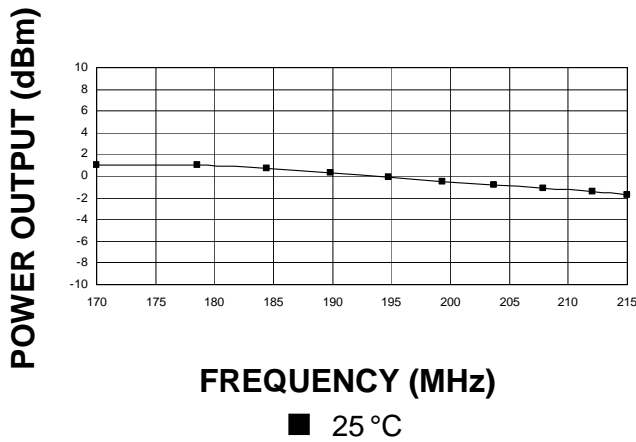
Additional Notes

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

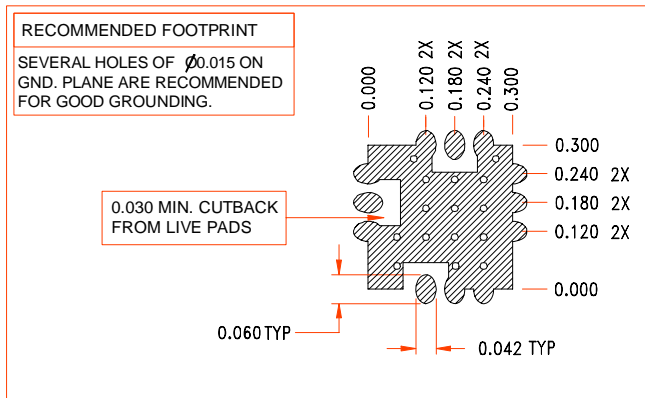
Tuning Curve, typ.



Power Curve, typ.



Footprint



Physical Dimensions



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