V810ME06

Rev A1

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Voltage-Controlled Oscillator
Surface Mount Module

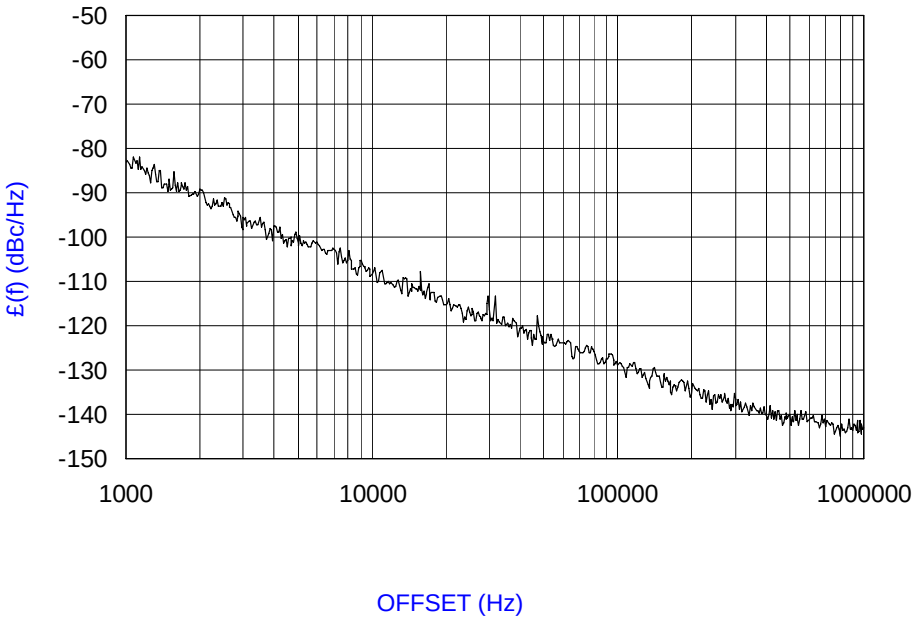
Applications

- Portable Radios
- PCS
- Downconvertors

Application Notes

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

PHASE NOISE (1 Hz BW, typical)



Performance Specifications	Min	Typ	Max	Units
Oscillation Frequency Range	760		860	MHz
Phase Noise @ 10 kHz offset (1 Hz BW)		-107		dBc/Hz
Harmonic Suppression (2nd)		-17	-14	dBc
Tuning Voltage	0.5		4.5	Vdc
Tuning Sensitivity (avg.)		36		MHz/V
Power Output	-3	-1	1	dBm
Load Impedance		50		Ω
Input Capacitance			50	pF
Pushing			1	MHz/V
Pulling (14 dB Return Loss, Any Phase)			1	MHz
Operating Temperature Range	0		75	°C
Package Style		MINI-14S-L		

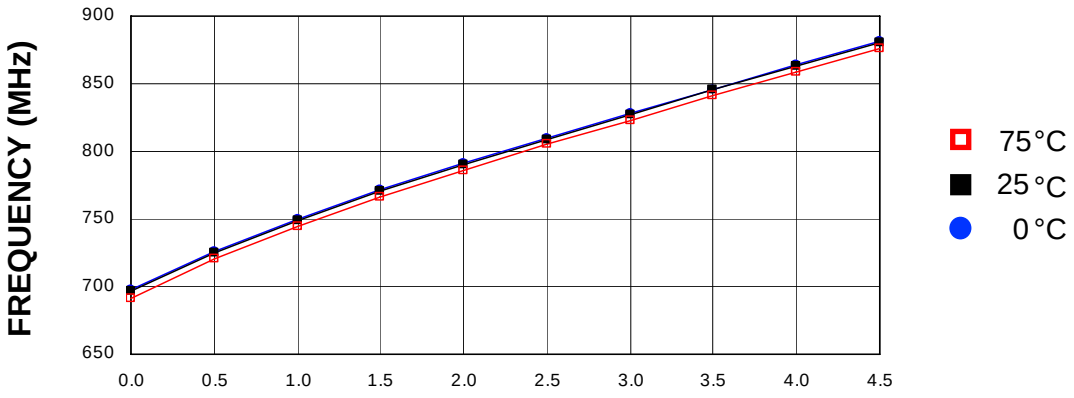
Power Supply Requirements	Min	Typ	Max	Units
Supply Voltage (Vcc, nom.)		2		Vdc
Supply Current (Icc)		14	20	mA

Additional Notes

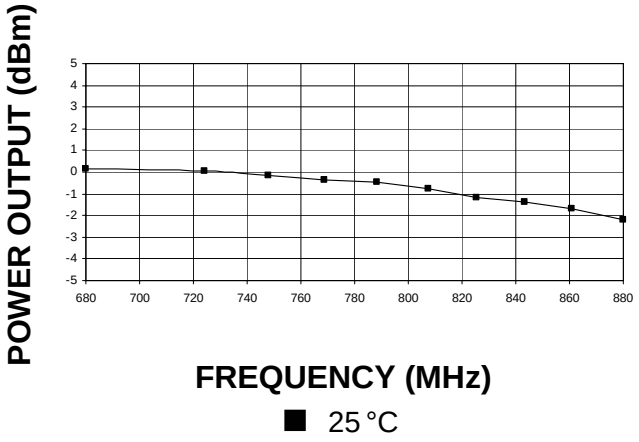
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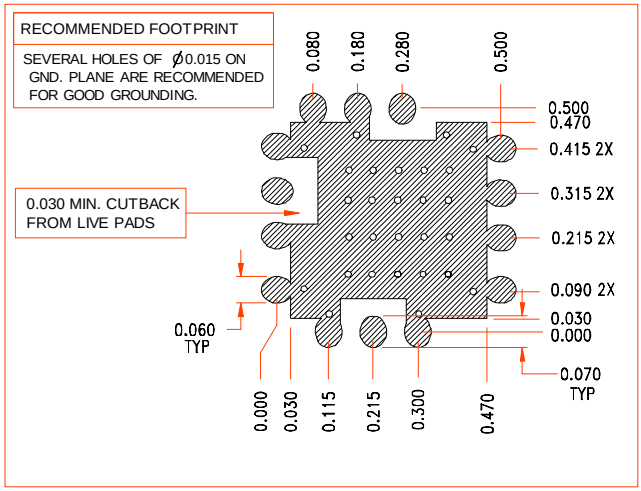
Tuning Curve, typ.



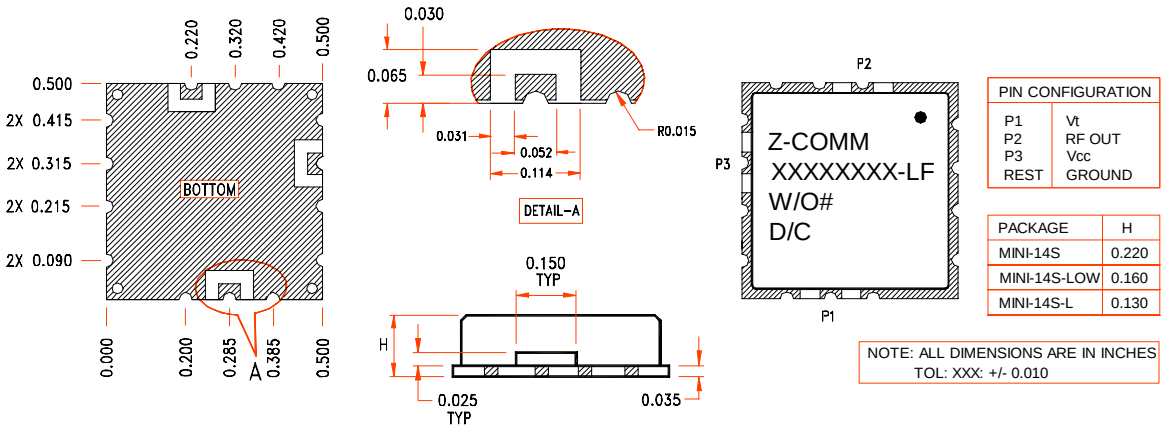
Power Curve, typ.



Footprint



Physical Dimensions



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