CLV0600A-LF

Rev B2

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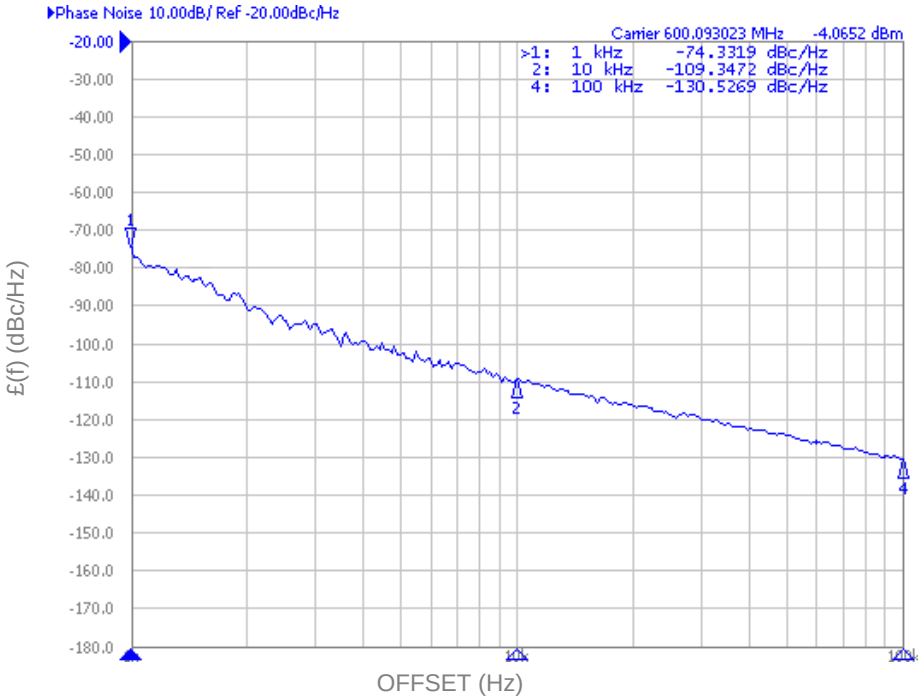
Voltage-Controlled Oscillator Surface Mount Module

PHASE NOISE (1 Hz BW, typical)



Applications

- Wireless Radios
- Basestations
- Mobile 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	530		670	MHz
Phase Noise @ 10 kHz offset (1 Hz BW)		-109		dBc/Hz
Harmonic Suppression (2nd)		-15	-12	dBc
Tuning Voltage	1		4.5	Vdc
Tuning Sensitivity (avg.)		52		MHz/V
Power Output	-2.5	1.5	5.5	dBm
Load Impedance		50		Ω
Input Capacitance			150	pF
Pushing			2	MHz/V
Pulling (14 dB Return Loss, Any Phase)			1	MHz
Operating Temperature Range	-40		85	°C
Package Style		MINI-14S-L		

Power Supply Requirements	Min	Typ	Max	Units
Supply Voltage (Vcc, nom.)		5		Vdc
Supply Current (Icc)		24	29	mA

Additional Notes

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

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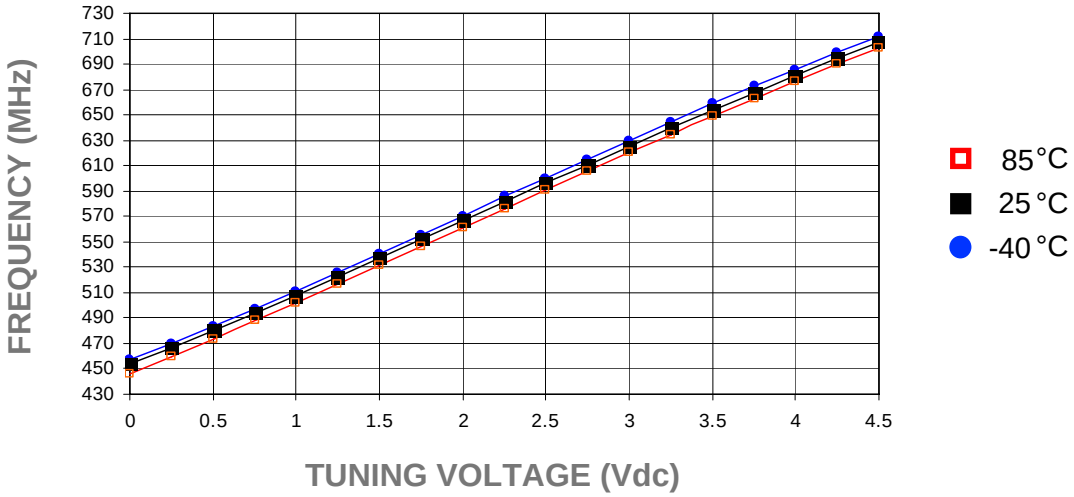
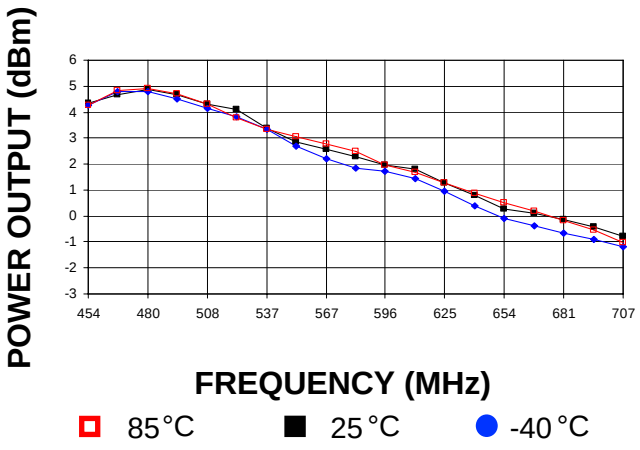
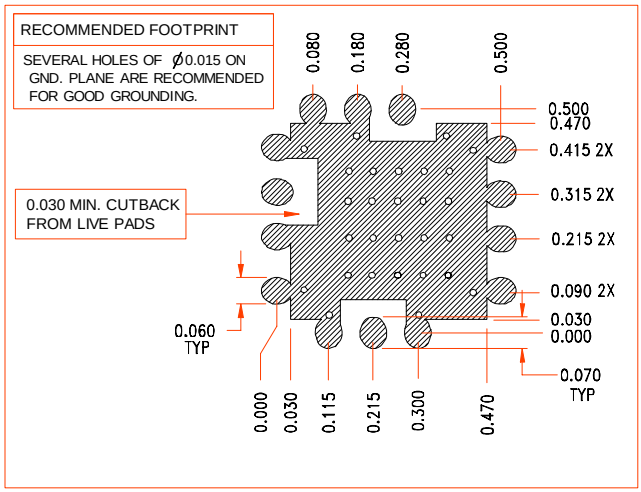
Tuning Curve, typ.



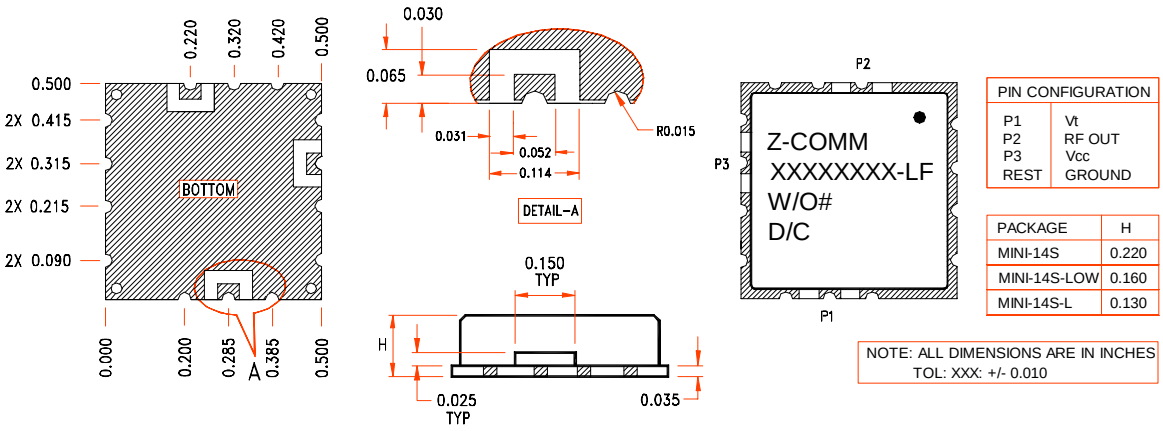
Power Curve, typ.



Footprint



Physical Dimensions



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