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Voltage-Controlled Oscillator Surface Mount Module

Applications

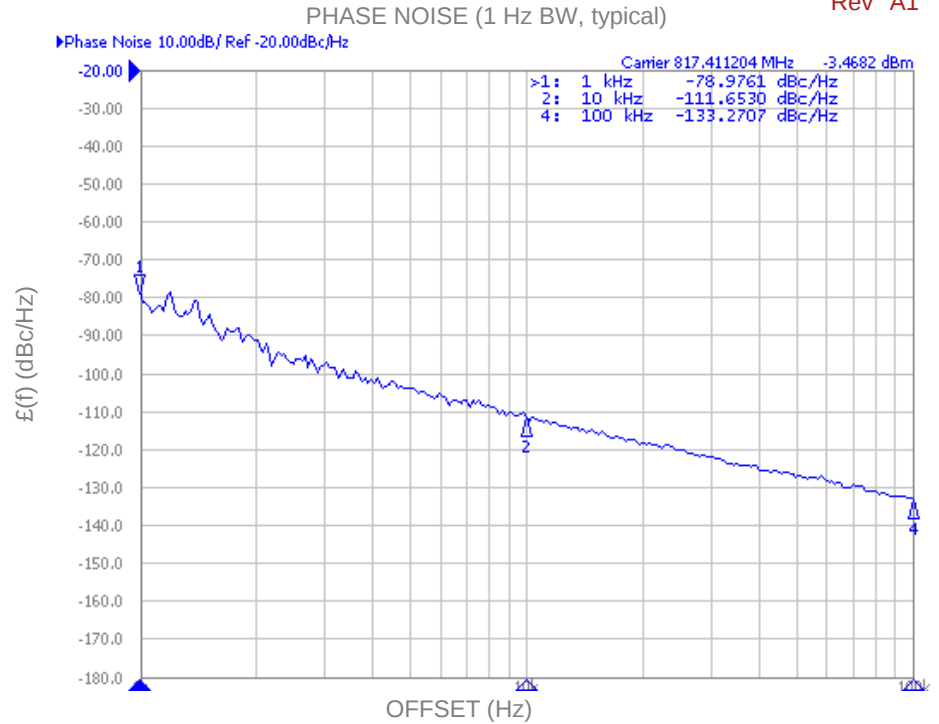
- Test Equipment
- VHF Communications
-

Application Notes

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

CLV0835E-LF

Rev A1



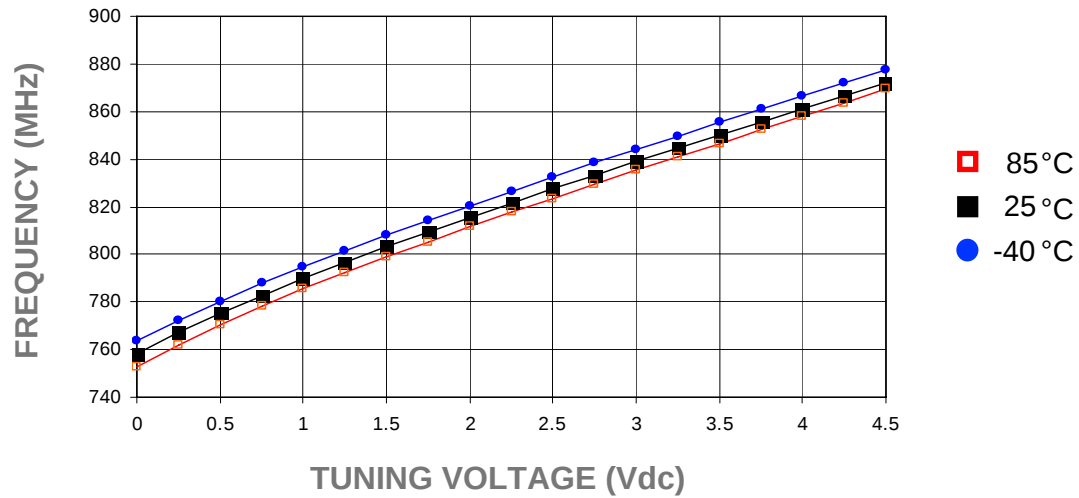
Performance Specifications	Min	Typ	Max	Units
Oscillation Frequency Range	800		835	MHz
Phase Noise @ 10 kHz offset (1 Hz BW)		-111		dBc/Hz
Harmonic Suppression (2nd)		-17	-15	dBc
Tuning Voltage	.5		4.5	Vdc
Tuning Sensitivity (avg.)		25		MHz/V
Power Output	-1	2	5	dBm
Load Impedance		50		Ω
Input Capacitance			150	pF
Pushing			1	MHz/V
Pulling (14 dB Return Loss, Any Phase)			.2	MHz
Operating Temperature Range	-40		85	$^{\circ}\text{C}$
Package Style	MINI-14S-L			

Power Supply Requirements	Min	Typ	Max	Units
Supply Voltage (Vcc, nom.)		5		Vdc
Supply Current (Icc)		21	26	mA

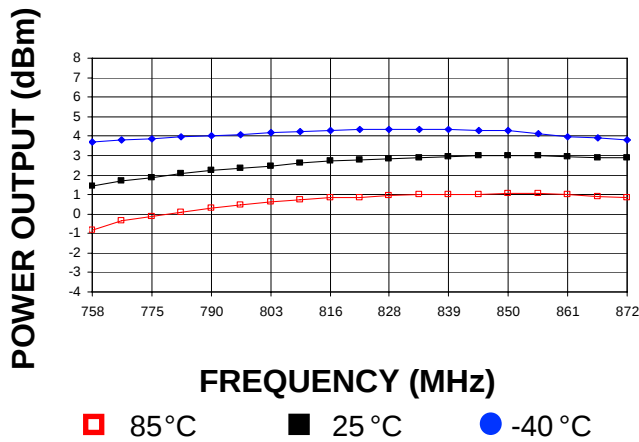
Additional Notes

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

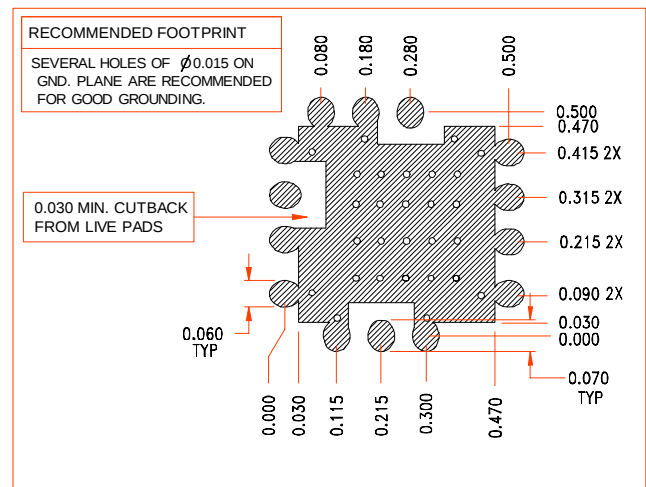
Tuning Curve, typ.



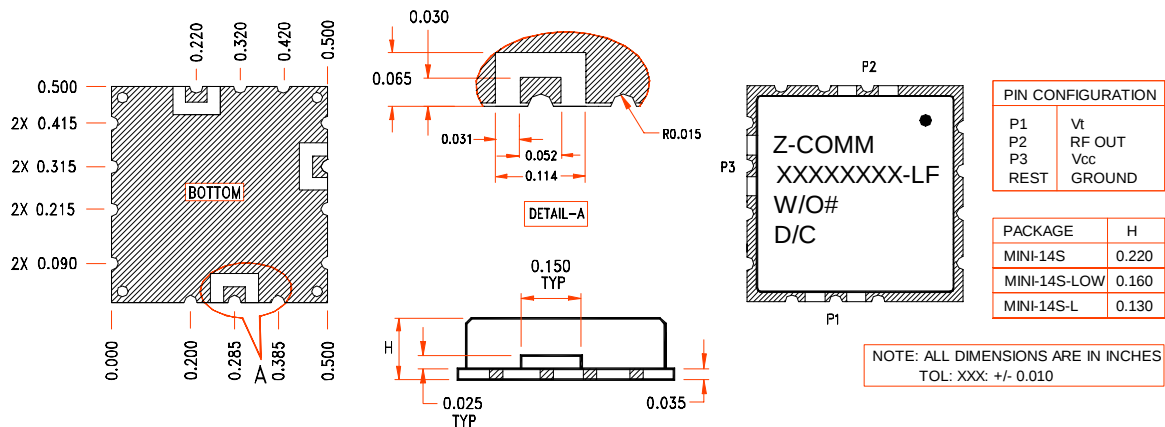
Power Curve, typ.



Footprint



Physical Dimensions



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