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Voltage-Controlled Oscillator Surface Mount Module

Applications

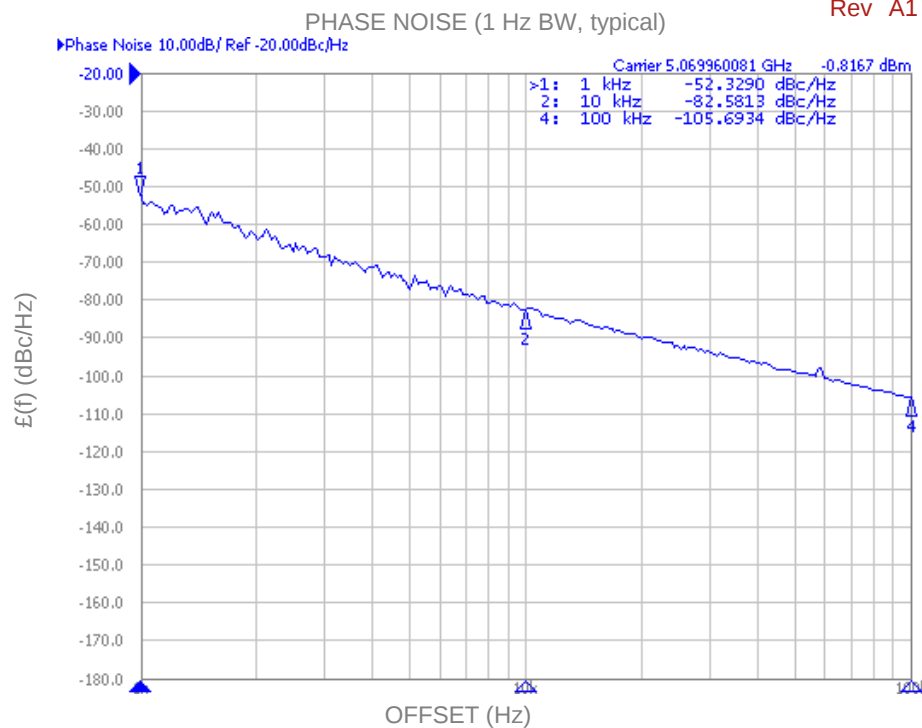
- Fixed Wireless
- Microwave Radios
-

Application Notes

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

V950ME17-LF

Rev A1

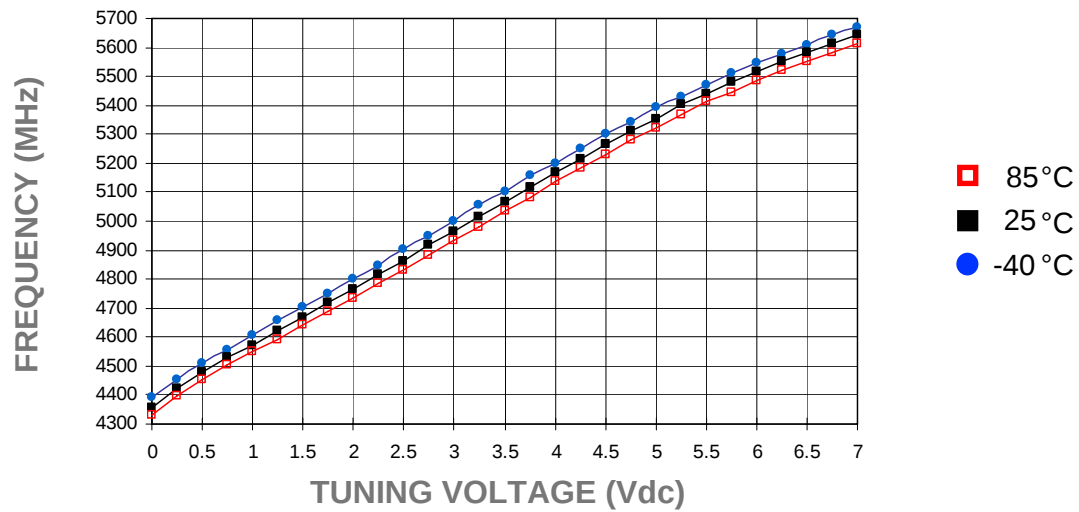
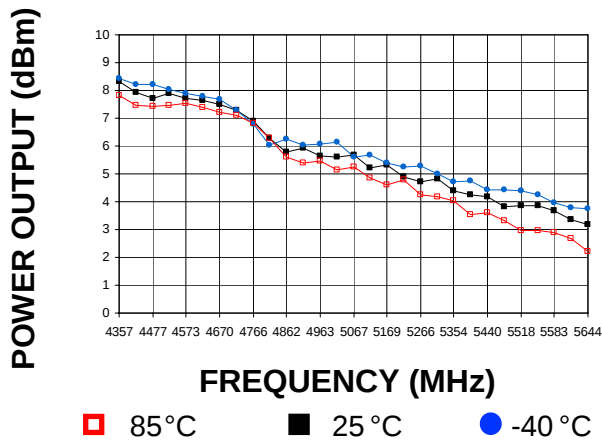
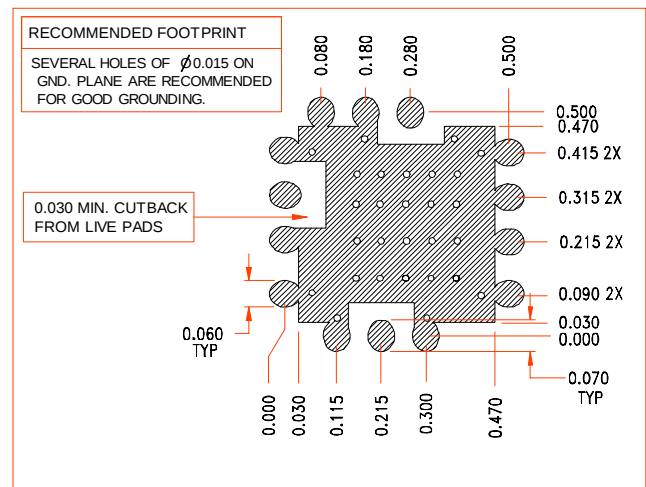
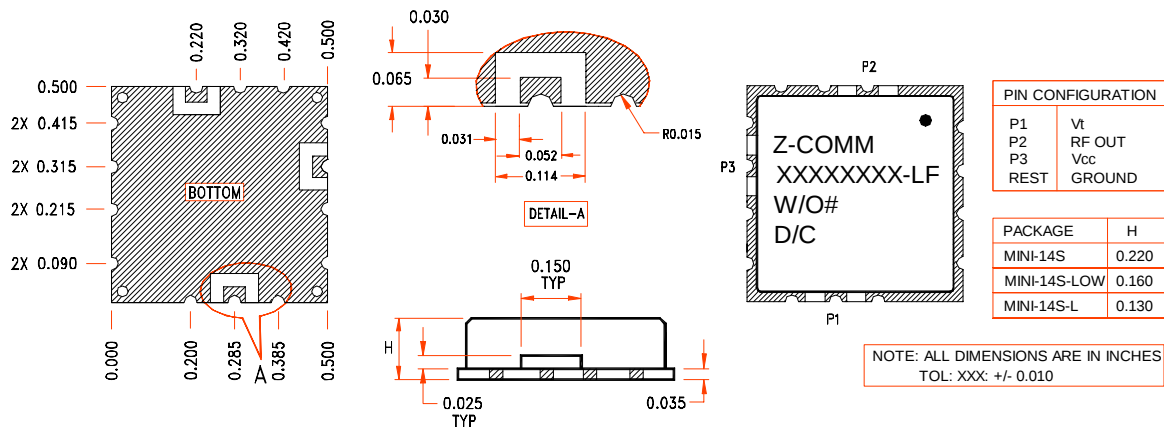


Performance Specifications	Min	Typ	Max	Units
Oscillation Frequency Range	4770		5370	MHz
Phase Noise @ 10 kHz offset (1 Hz BW)		-79		dBc/Hz
Harmonic Suppression (2nd)		-20	-18	dBc
Tuning Voltage	1		7	Vdc
Tuning Sensitivity (avg.)		200		MHz/V
Power Output	2	5.5	9	dBm
Load Impedance		50		Ω
Input Capacitance			50	pF
Pushing			9	MHz/V
Pulling (12 dB Return Loss, Any Phase)			35	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)		28	34	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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