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Voltage-Controlled Oscillator Surface Mount Module

Applications

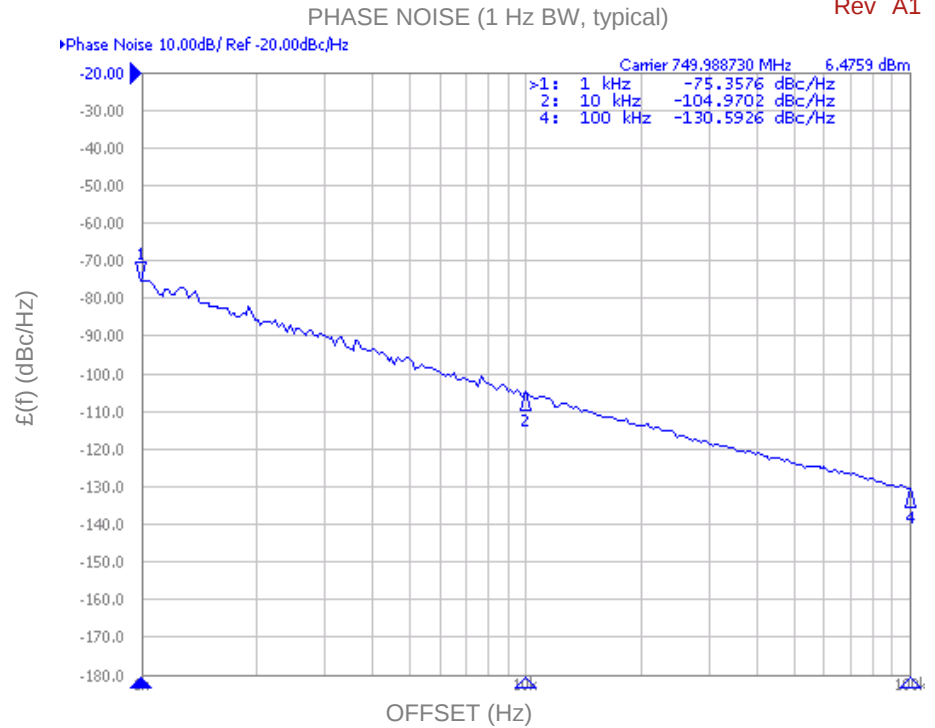
- Basestations
- Portable Radios
- Mobile Communications

Application Notes

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

V580ME08-LF

Rev A1



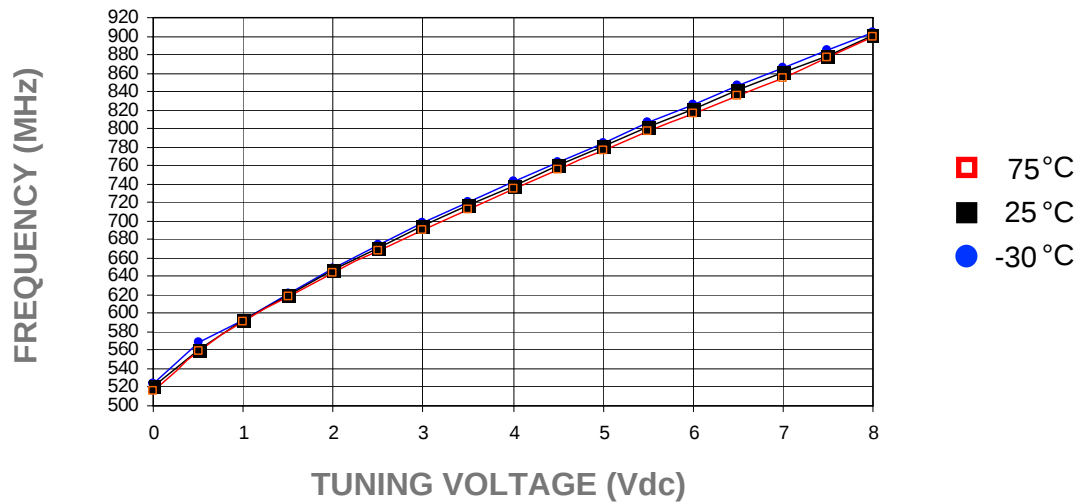
Performance Specifications	Min	Typ	Max	Units
Oscillation Frequency Range	680		820	MHz
Phase Noise @ 10 kHz offset (1 Hz BW)		-104		dBc/Hz
Harmonic Suppression (2nd)		-8	-6	dBc
Tuning Voltage	1		8	Vdc
Tuning Sensitivity (avg.)		43		MHz/V
Power Output	9	12.5	16	dBm
Load Impedance		50		Ω
Input Capacitance			100	pF
Pushing			2	MHz/V
Pulling (14 dB Return Loss, Any Phase)			5	MHz
Operating Temperature Range	-30		75	$^{\circ}\text{C}$
Package Style	MINI-14S			

Power Supply Requirements	Min	Typ	Max	Units
Supply Voltage (Vcc, nom.)		8.4		Vdc
Supply Current (Icc)		30	36	mA

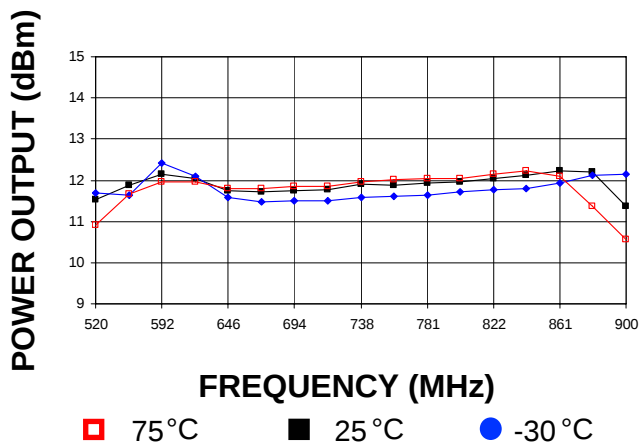
Additional Notes

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

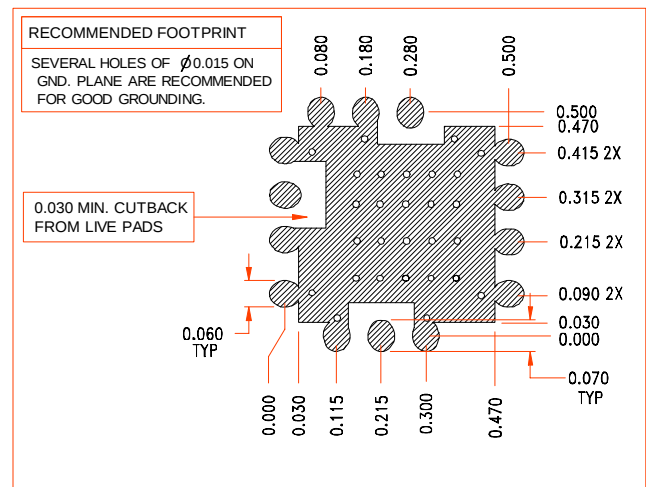
Tuning Curve, typ.



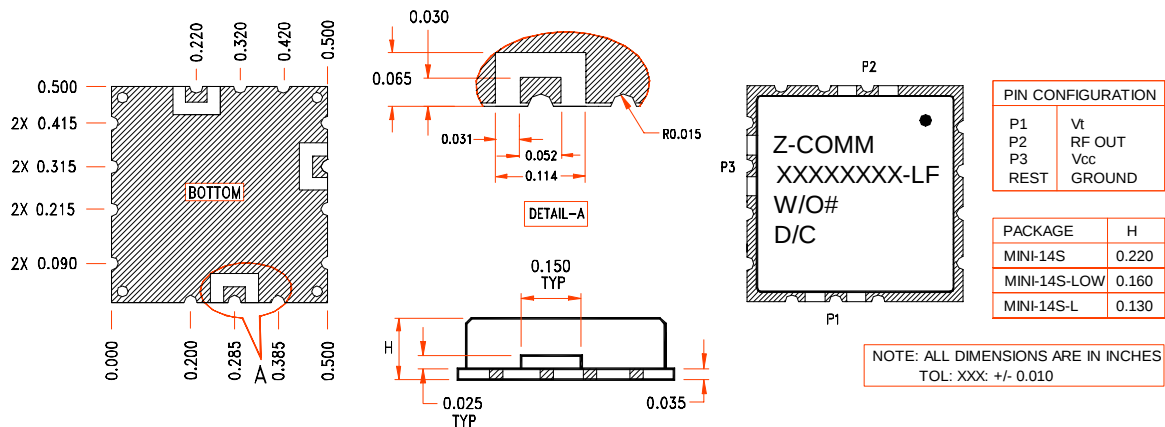
Power Curve, typ.



Footprint



Physical Dimensions



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