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Voltage-Controlled Oscillator Surface Mount Module

Applications

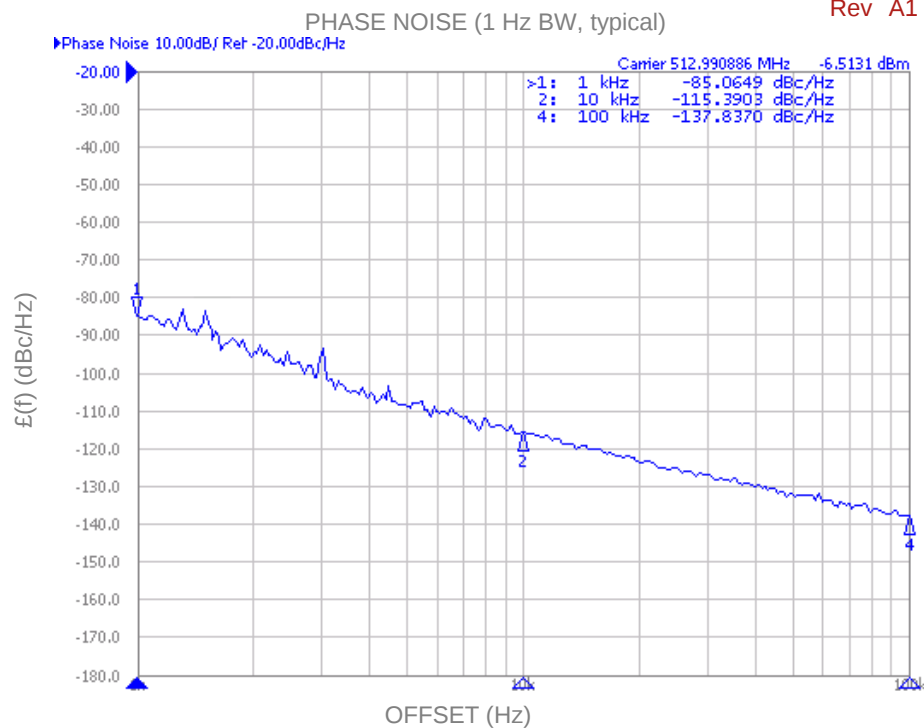
- Test Equipments
- RF Modems
-

Application Notes

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

V495ME02-LF

Rev A1



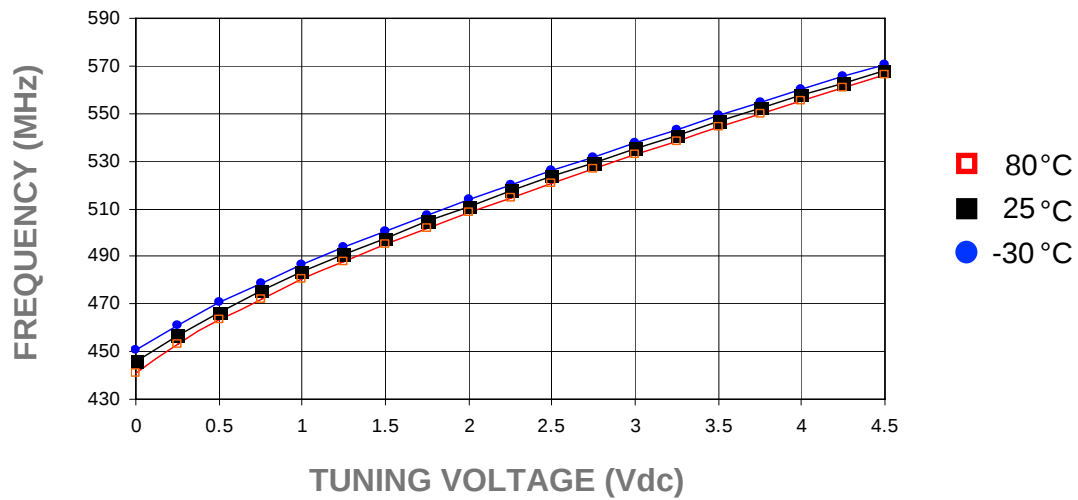
Performance Specifications	Min	Typ	Max	Units
Oscillation Frequency Range	483		543	MHz
Phase Noise @ 10 kHz offset (1 Hz BW)		-115		dBc/Hz
Harmonic Suppression (2nd)		-15	-12	dBc
Tuning Voltage	0.5		4.5	Vdc
Tuning Sensitivity (avg.)		26		MHz/V
Power Output	-5	-2	1	dBm
Load Impedance		50		Ω
Input Capacitance			400	pF
Pushing			1	MHz/V
Pulling (12 dB Return Loss, Any Phase)			1	MHz
Operating Temperature Range	-30		80	$^{\circ}\text{C}$
Package Style	MINI-14S-LOW			

Power Supply Requirements	Min	Typ	Max	Units
Supply Voltage (Vcc, nom.)		4.5		Vdc
Supply Current (Icc)		41	50	mA

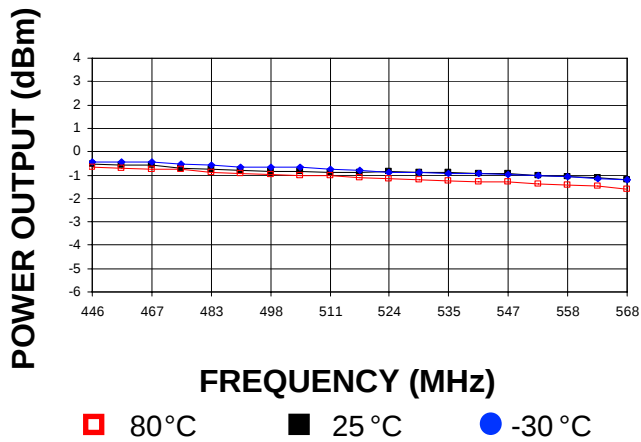
Additional Notes

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

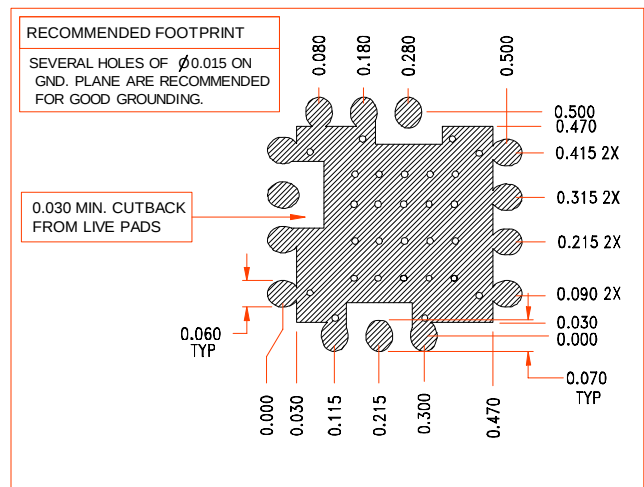
Tuning Curve, typ.



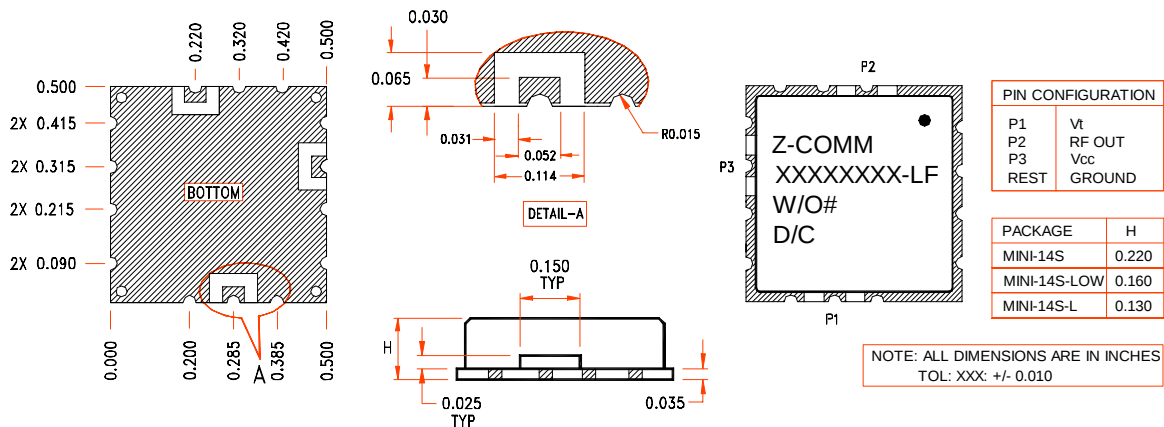
Power Curve, typ.



Footprint



Physical Dimensions



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