

PHASE NOISE (1 Hz BW, typical)

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Voltage-Controlled Oscillator Surface Mount Module

Applications

Microwave Radios
 Satellite Communications

Application Notes

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



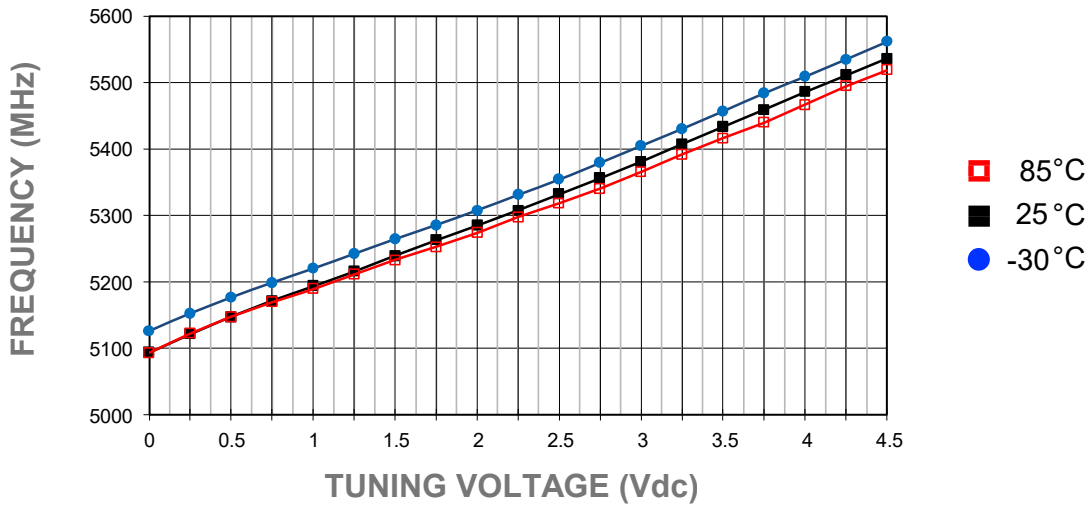
Performance Specifications	Min	Typ	Max	Units
Oscillation Frequency Range	5220		5420	MHz
Phase Noise @ 10 kHz offset (1 Hz BW)		-83		dBc/Hz
Harmonic Suppression (2nd)		-25	-23	dBc
Tuning Voltage	0.5		4.5	Vdc
Tuning Sensitivity (avg.)		108		MHz/V
Power Output	-4	-1	2	dBm
Load Impedance		50		Ω
Input Capacitance			50	pF
Pushing			10	MHz/V
Pulling (14 dB Return Loss, Any Phase)			28	MHz
Operating Temperature Range	-30		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)		12	15	mA

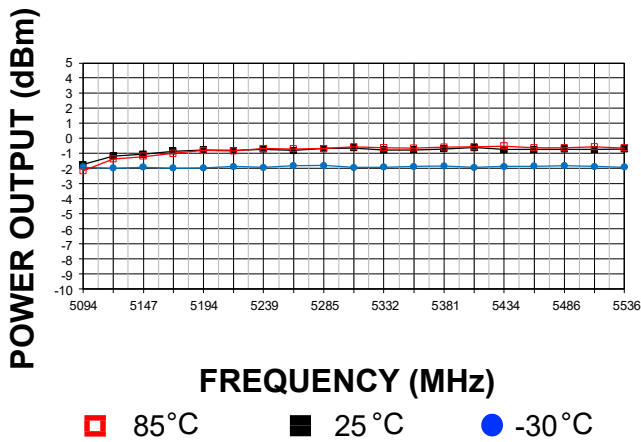
Additional Notes

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

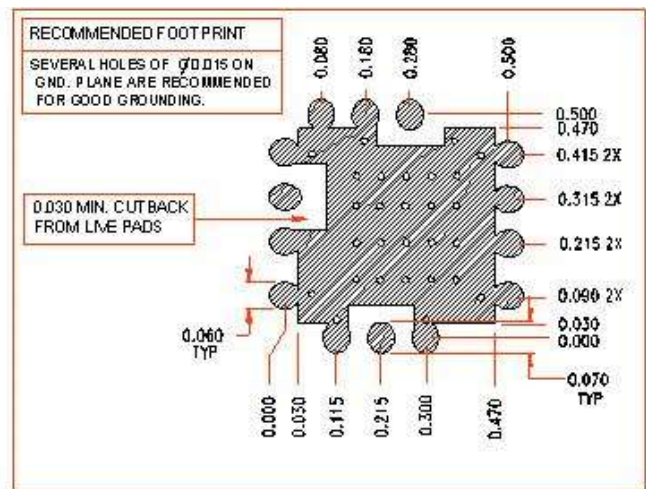
Tuning Curve, typ.



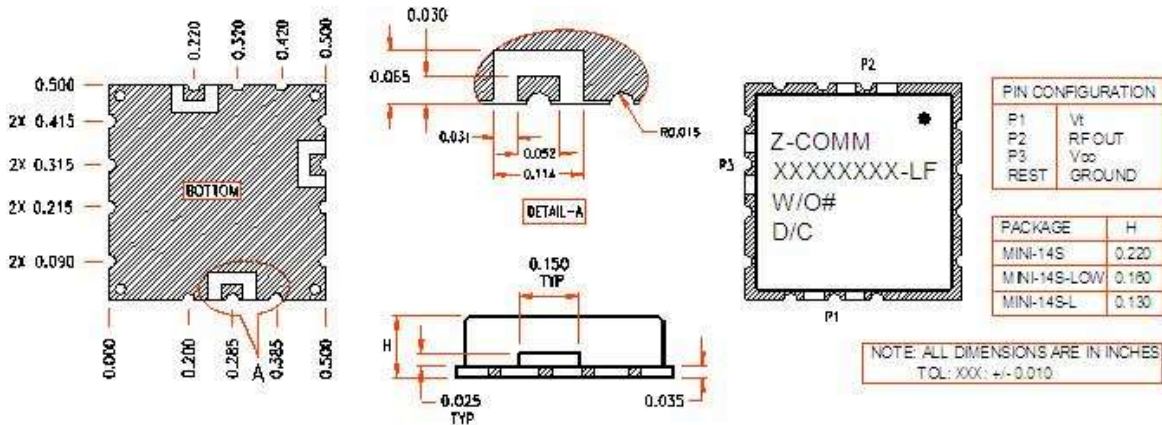
Power Curve, typ.



Footprint



Physical Dimensions



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