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PHASE NOISE (1 Hz BW, typical)

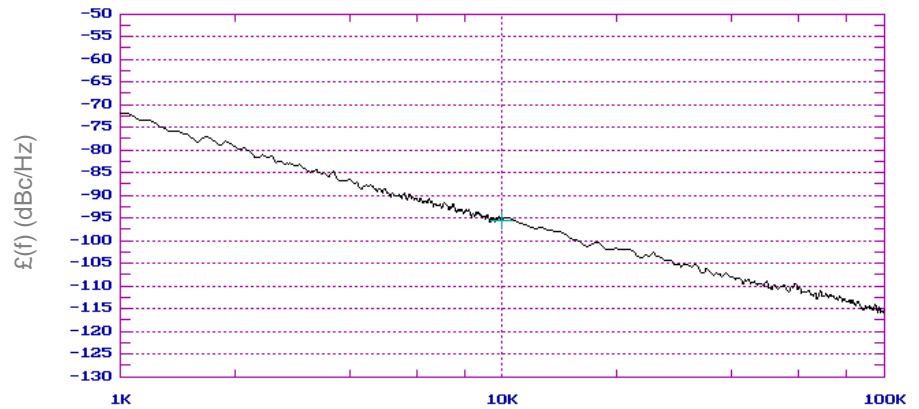
Voltage-Controlled Oscillator Surface Mount Module

Applications

- PCN Basestations
- Earthstations
- Satellite Modems

Application Notes

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



OFFSET (Hz)

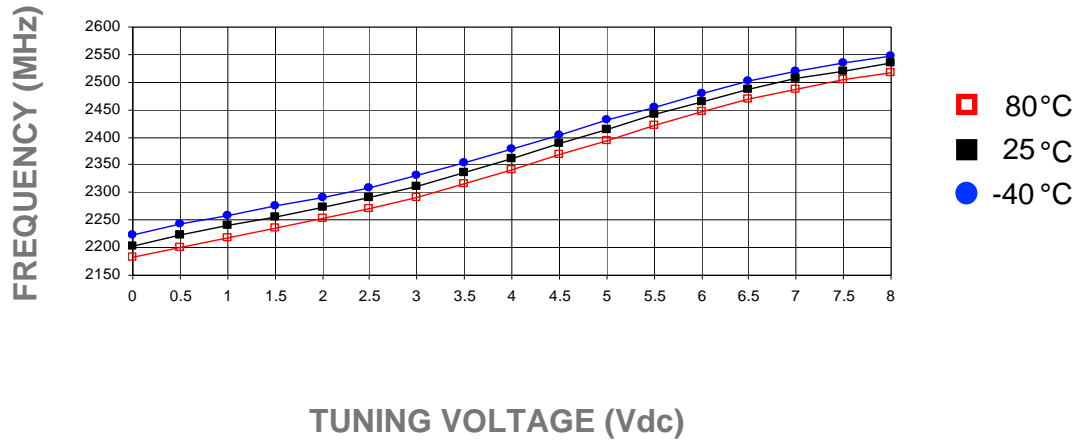
Performance Specifications	Min	Typ	Max	Units
Oscillation Frequency Range	2275		2475	MHz
Phase Noise @ 10 kHz offset (1 Hz BW)		-94		dBc/Hz
Harmonic Suppression (2nd)		-10	-8	dBc
Tuning Voltage	0.5		8	Vdc
Tuning Sensitivity (avg.)		52		MHz/V
Power Output	2	5	8	dBm
Load Impedance		50		Ω
Input Capacitance			50	pF
Pushing			6	MHz/V
Pulling (14 dB Return Loss, Any Phase)			8	MHz
Operating Temperature Range	-40		80	$^{\circ}\text{C}$
Package Style		MINI-14S		

Power Supply Requirements	Min	Typ	Max	Units
Supply Voltage (Vcc, nom.)		5		Vdc
Supply Current (Icc)		18	22	mA

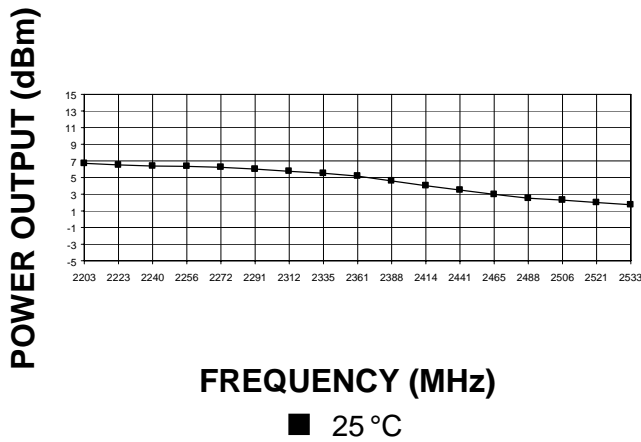
Additional Notes

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

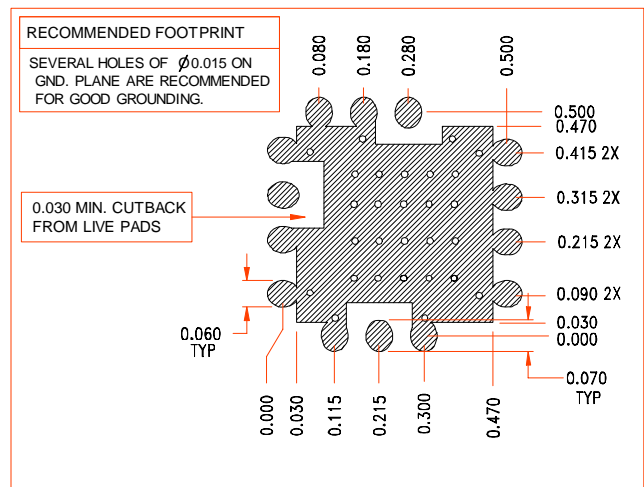
Tuning Curve, typ.



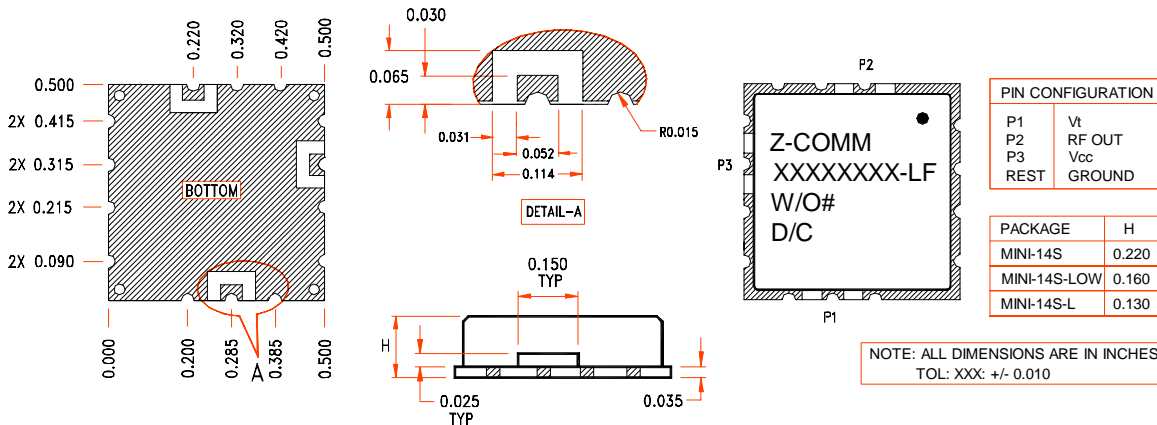
Power Curve, typ.



Footprint



Physical Dimensions



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