Z~Communications

V950ME01-LF

Rev A1

9939 Via Pasar | San Diego, CA 92126
TEL: (858) 621-2700 | FAX: (858) 621-2722
URL: www.zcomm.com
EMAIL: applications@zcomm.com

Voltage-Controlled Oscillator
Surface Mount Module

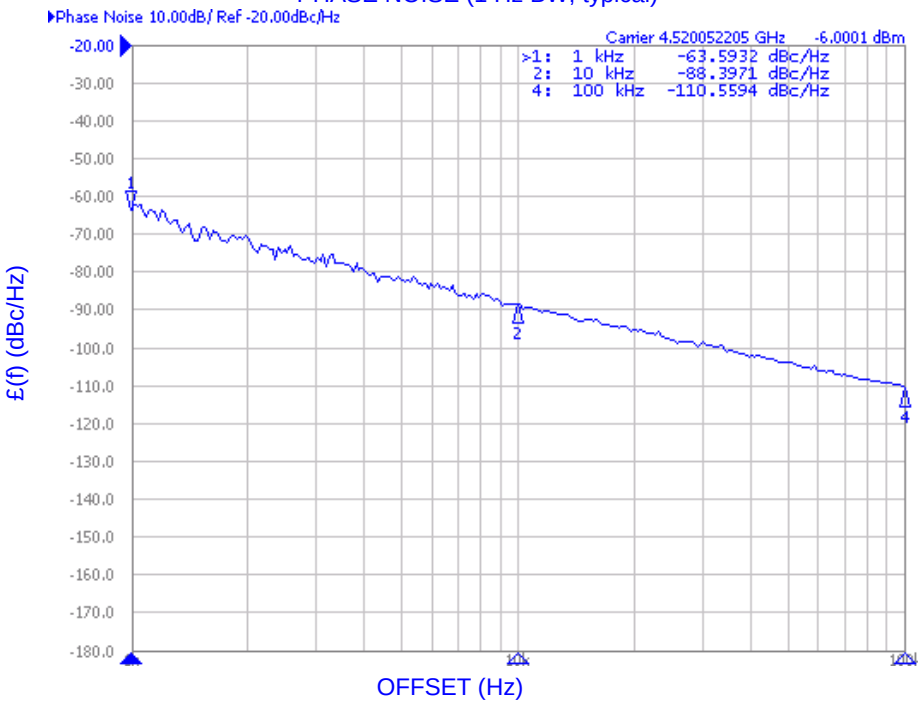
Applications

- Direct Broadcast
- Satellite Communications
-

Application Notes

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

PHASE NOISE (1 Hz BW, typical)



Performance Specifications	Min	Typ	Max	Units
Oscillation Frequency Range	4420		4620	MHz
Phase Noise @ 10 kHz offset (1 Hz BW)		-87		dBc/Hz
Harmonic Suppression (2nd)		-20	-17	dBc
Tuning Voltage	1.5		11	Vdc
Tuning Sensitivity (avg.)		36		MHz/V
Power Output	-3	0	3	dBm
Load Impedance		50		Ω
Input Capacitance			50	pF
Pushing			9	MHz/V
Pulling (14 dB Return Loss, Any Phase)			10	MHz
Operating Temperature Range	-35		80	°C
Package Style		MINI-14S-L		

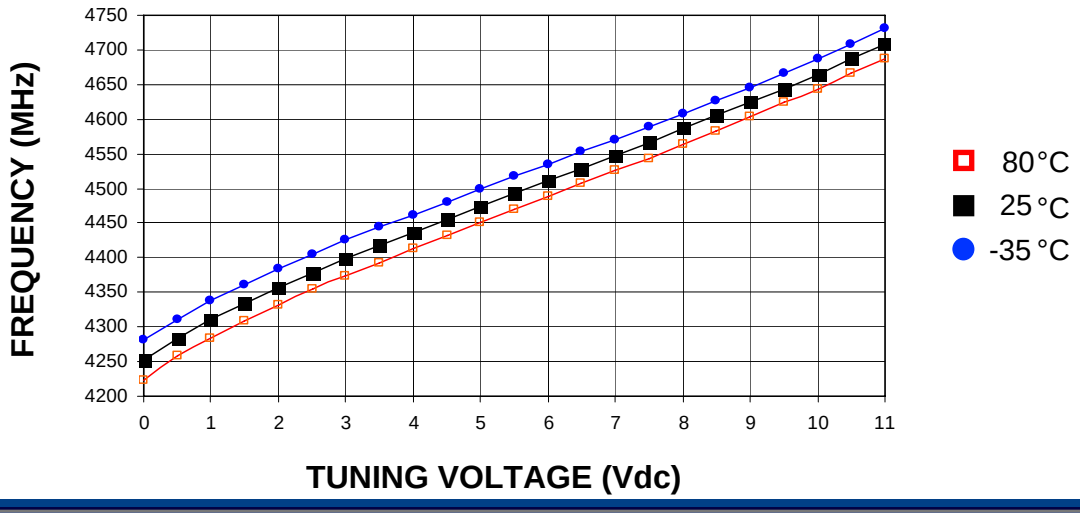
Power Supply Requirements	Min	Typ	Max	Units
Supply Voltage (Vcc, nom.)		5		Vdc
Supply Current (Icc)		13	16	mA

Additional Notes

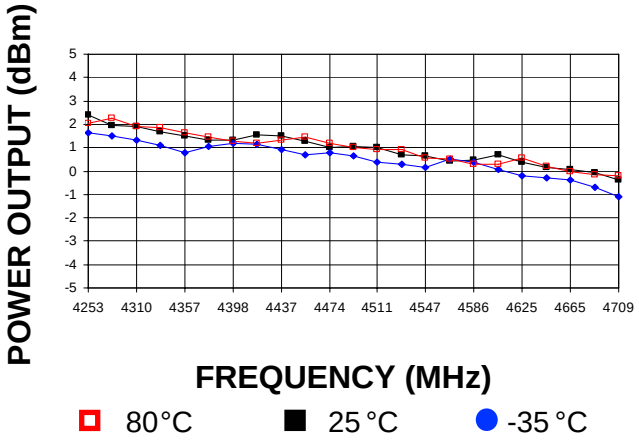
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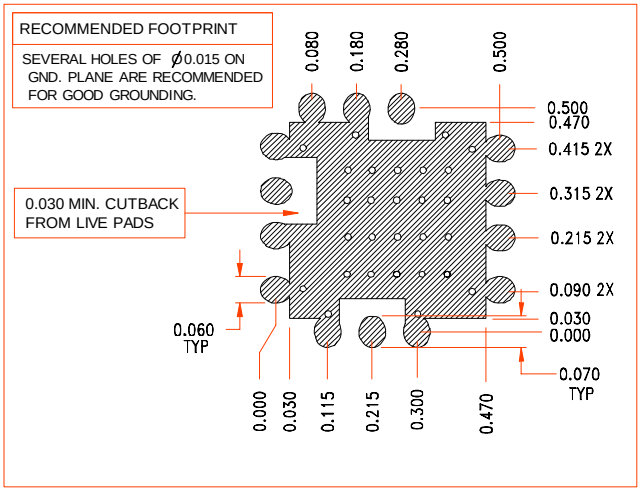
Tuning Curve, typ.



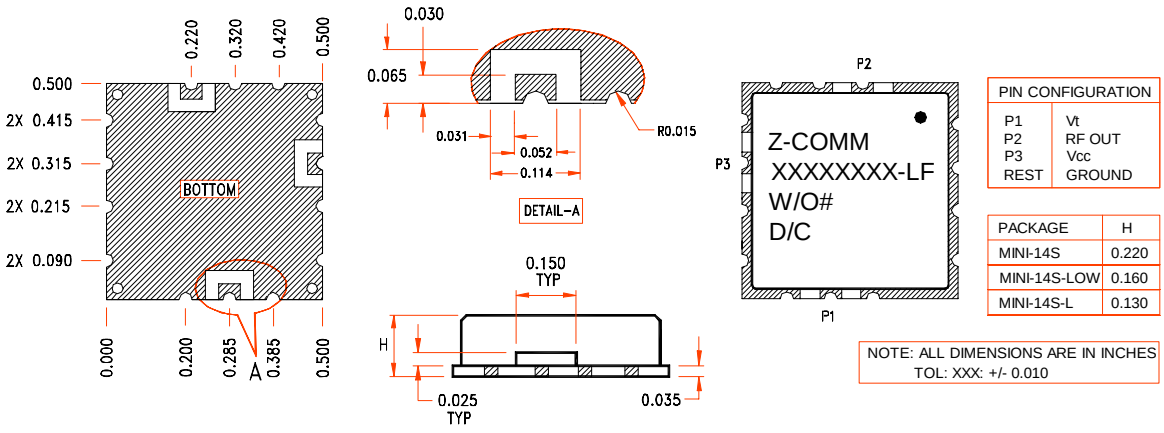
Power Curve, typ.



Footprint



Physical Dimensions



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