CRO5700Z

Rev A1

14118 Stowe Drive, Suite B
Poway, CA 92064
TEL: (858) 621-2700 | FAX: (858) 486-1927
URL: www.zcomm.com
EMAIL: applications@zcomm.com

Voltage-Controlled Oscillator Surface Mount Module

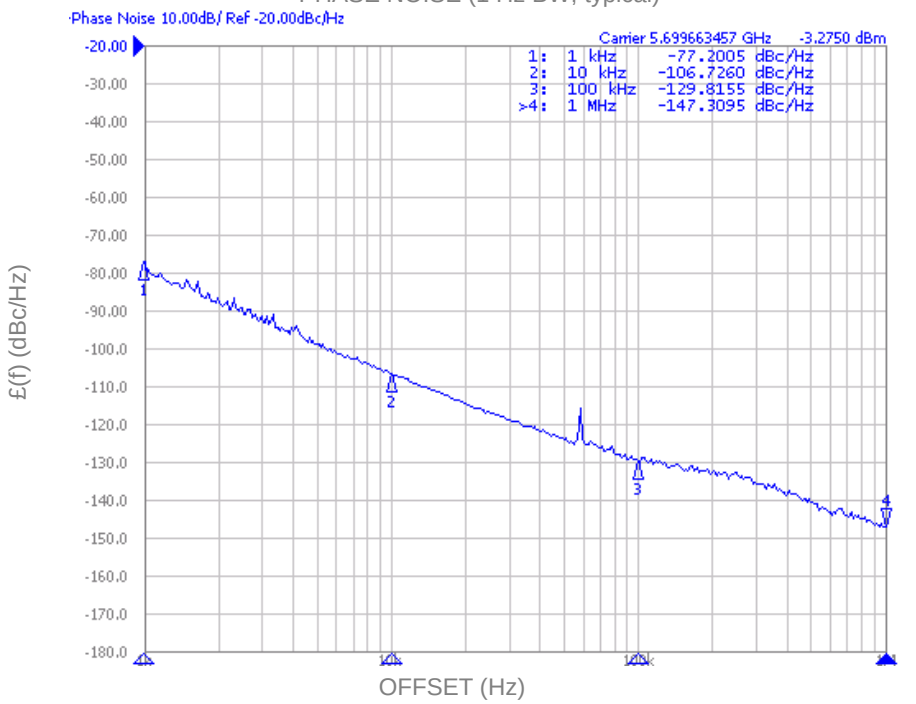
Applications

- Digital Radios
- 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	5690		5710	MHz
Phase Noise @ 10 kHz offset (1 Hz BW)		-106		dBc/Hz
Harmonic Suppression (2nd)		-30	-25	dBc
Tuning Voltage	0.5		4.5	Vdc
Tuning Sensitivity (avg.)		30		MHz/V
Power Output	2	4	6	dBm
Load Impedance		50		Ω
Input Capacitance			50	pF
Pushing			.5	MHz/V
Pulling (12 dB Return Loss, Any Phase)			.5	MHz
Operating Temperature Range	-40		85	°C
Package Style		VCO-24H		

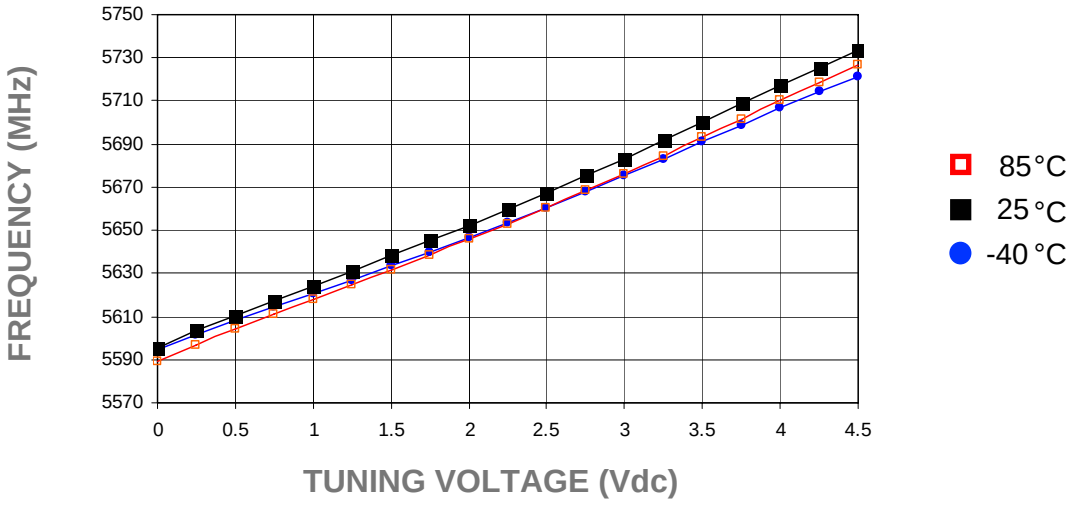
Power Supply Requirements	Min	Typ	Max	Units
Supply Voltage (Vcc, nom.)		5		Vdc
Supply Current (Icc)		140	168	mA

Additional Notes

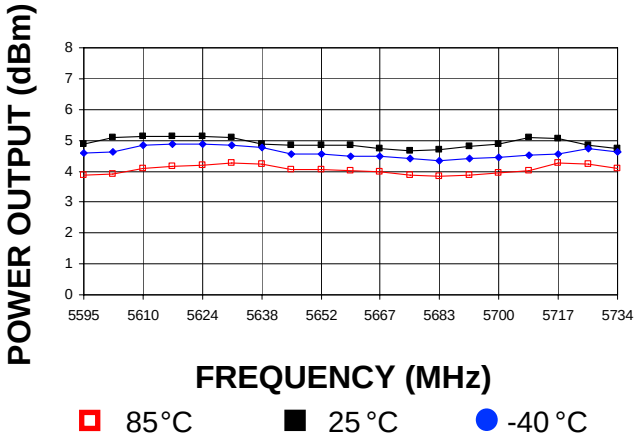
Fundamental Rejection: -35dBc

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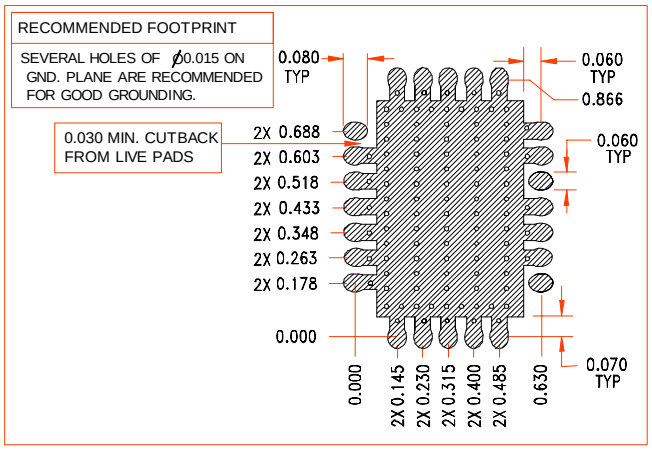
Tuning Curve, typ.



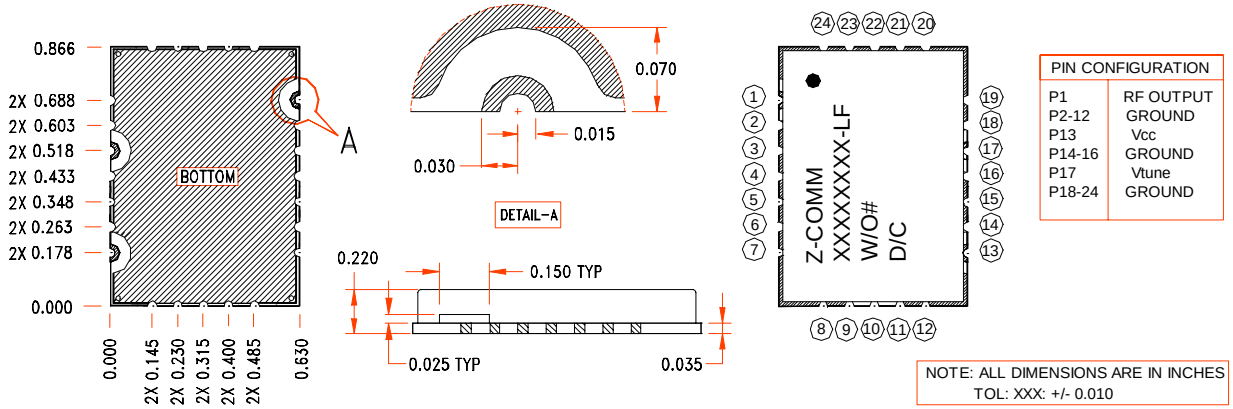
Power Curve, typ.



Footprint



Physical Dimensions



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

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