Z~Communications

V614ME06-LF

Rev B2

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

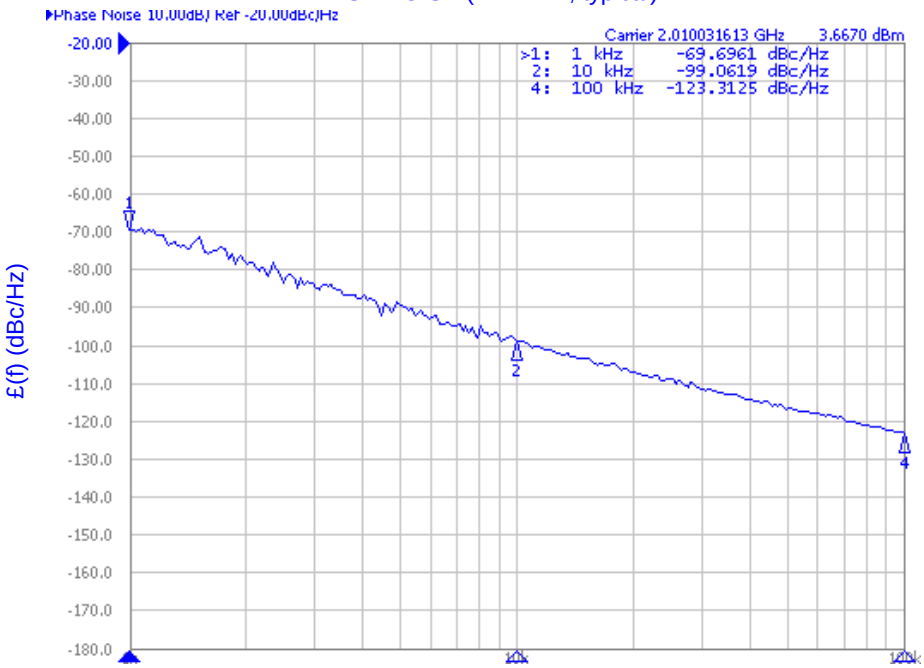
Applications

- Digital Radios
- PCS
- Downconvertors

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	1860		2160	MHz
Phase Noise @ 10 kHz offset (1 Hz BW)		-98		dBc/Hz
Harmonic Suppression (2nd)		-11	-9	dBc
Tuning Voltage	2		8	Vdc
Tuning Sensitivity (avg.)		64		MHz/V
Power Output	5.5	8.75	12	dBm
Load Impedance		50		Ω
Input Capacitance			50	pF
Pushing			4	MHz/V
Pulling (14 dB Return Loss, Any Phase)			2	MHz
Operating Temperature Range	-40		85	°C
Package Style		MINI-14S-L		

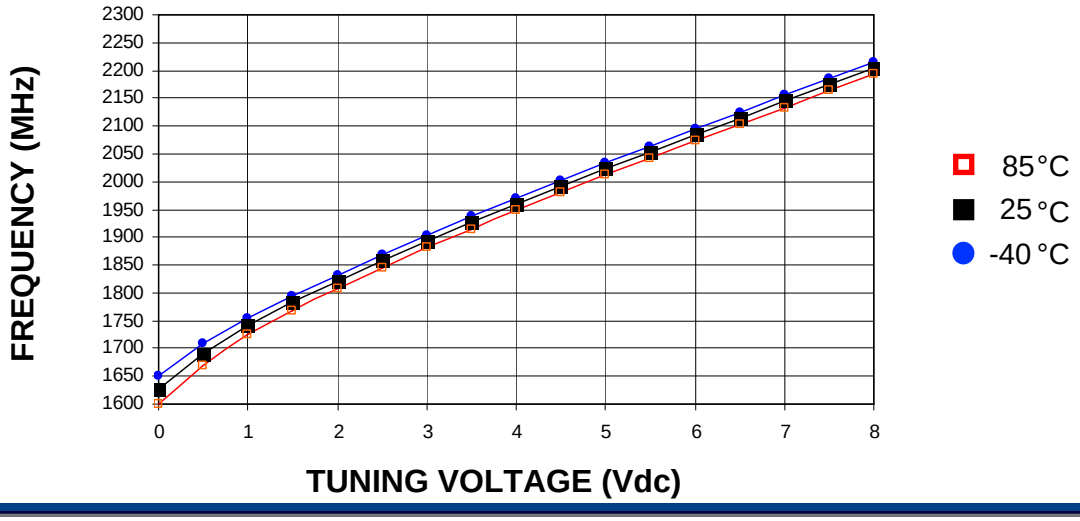
Power Supply Requirements	Min	Typ	Max	Units
Supply Voltage (Vcc, nom.)		9		Vdc
Supply Current (Icc)		22	27	mA

Additional Notes

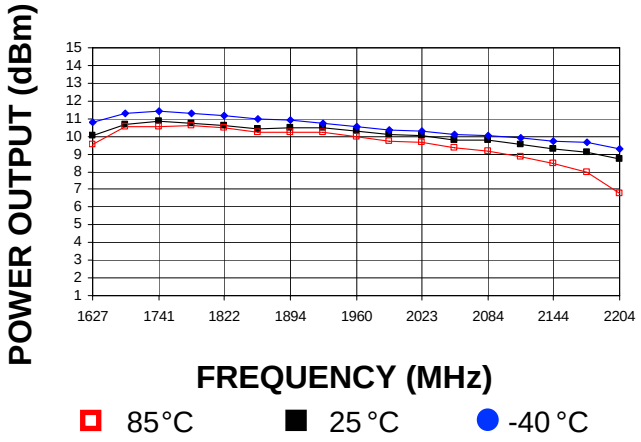
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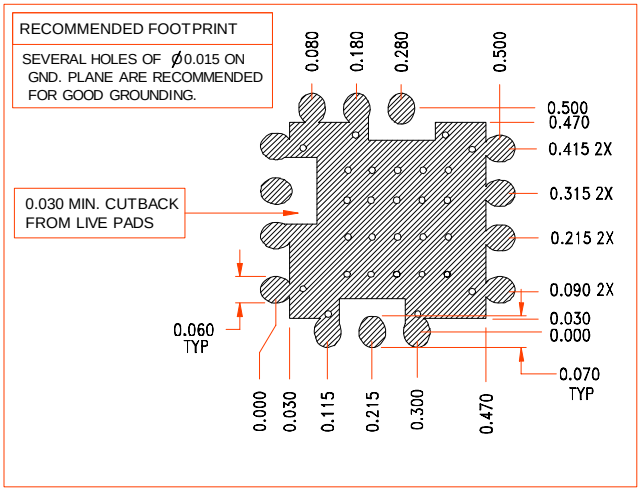
Tuning Curve, typ.



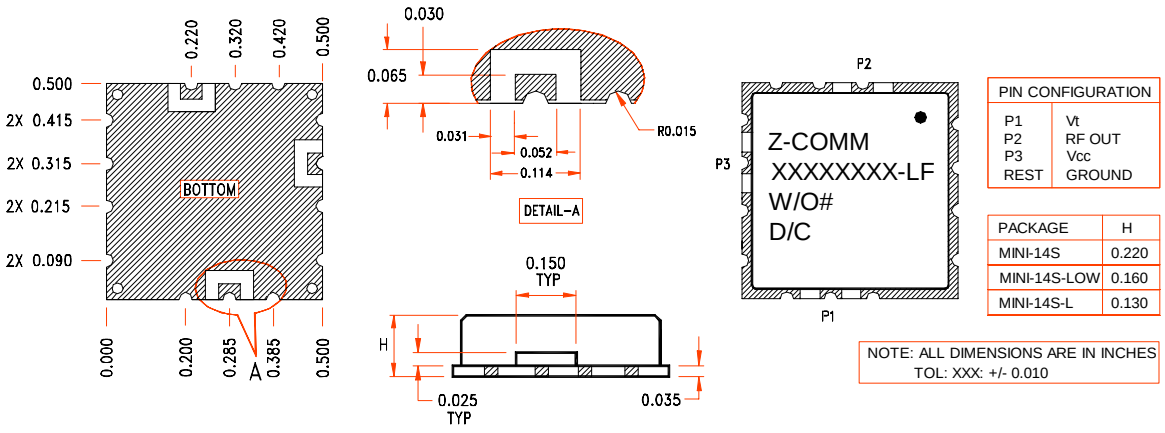
Power Curve, typ.



Footprint



Physical Dimensions



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