

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

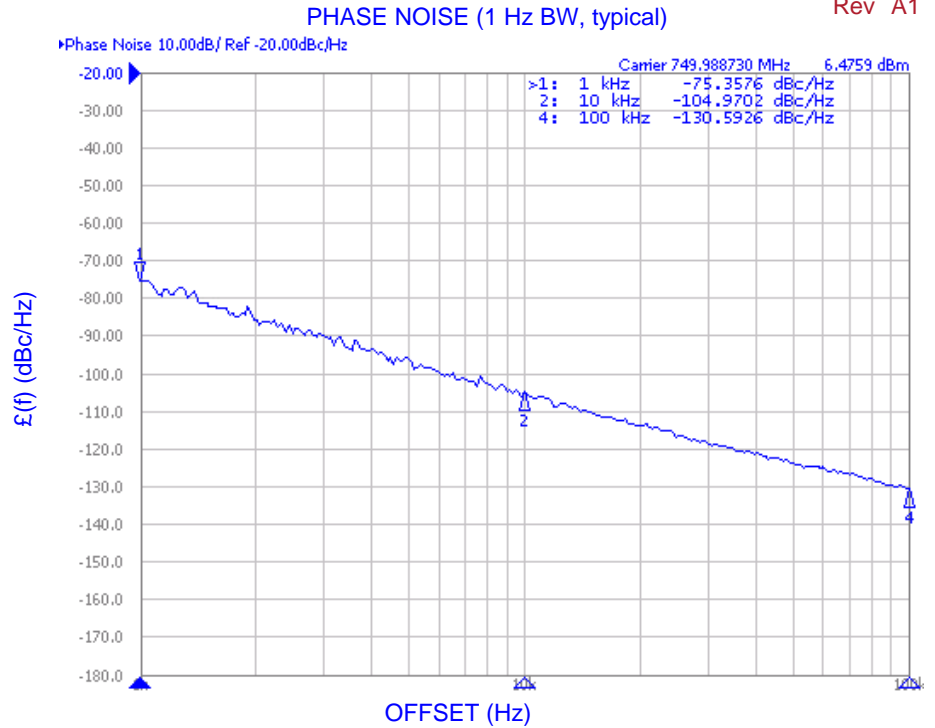
Voltage-Controlled Oscillator Surface Mount Module

Applications

- Basestations
- Portable Radios
- Mobile 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	680		820	MHz
Phase Noise @ 10 kHz offset (1 Hz BW)		-104		dBc/Hz
Harmonic Suppression (2nd)		-8	-6	dBc
Tuning Voltage	1		8	Vdc
Tuning Sensitivity (avg.)		43		MHz/V
Power Output	9	12.5	16	dBm
Load Impedance		50		Ω
Input Capacitance			100	pF
Pushing			2	MHz/V
Pulling (14 dB Return Loss, Any Phase)			5	MHz
Operating Temperature Range	-30		75	$^{\circ}\text{C}$
Package Style		MINI-14S		

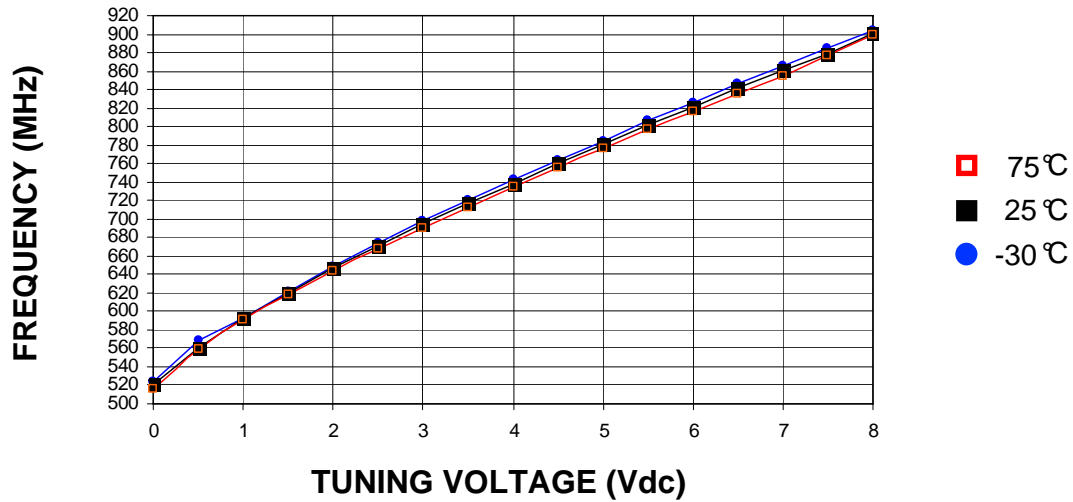
Power Supply Requirements

	Min	Typ	Max	Units
Supply Voltage (Vcc, nom.)		8.4		Vdc
Supply Current (Icc)		30	36	mA

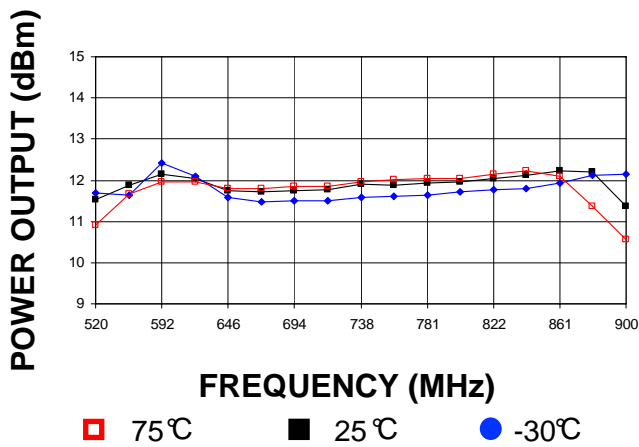
Additional Notes

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

Tuning Curve, typ.



Power Curve, typ.



Footprint



Physical Dimensions



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