

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

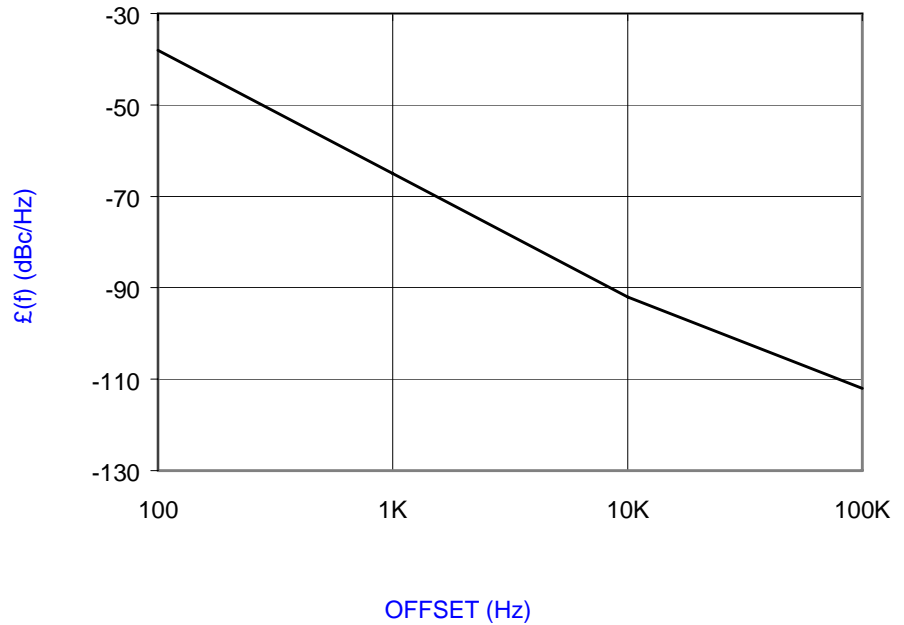
**Voltage-Controlled Oscillator
 Surface Mount Module**

Applications

- Satellite Communications
- Microwave Relays
- Broadcast 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	2400		2800	MHz
Phase Noise @ 10 kHz offset (1 Hz BW)		-92		dBc/Hz
Harmonic Suppression (2nd)		-10	-7	dBc
Tuning Voltage	1		11	Vdc
Tuning Sensitivity (avg.)		80		MHz/V
Power Output	5.5	8.5	11.5	dBm
Load Impedance		50		Ω
Input Capacitance			50	pF
Pushing			10	MHz/V
Pulling (14 dB Return Loss, Any Phase)			50	MHz
Operating Temperature Range	-40		75	$^{\circ}\text{C}$
Package Style	MINI-14S			

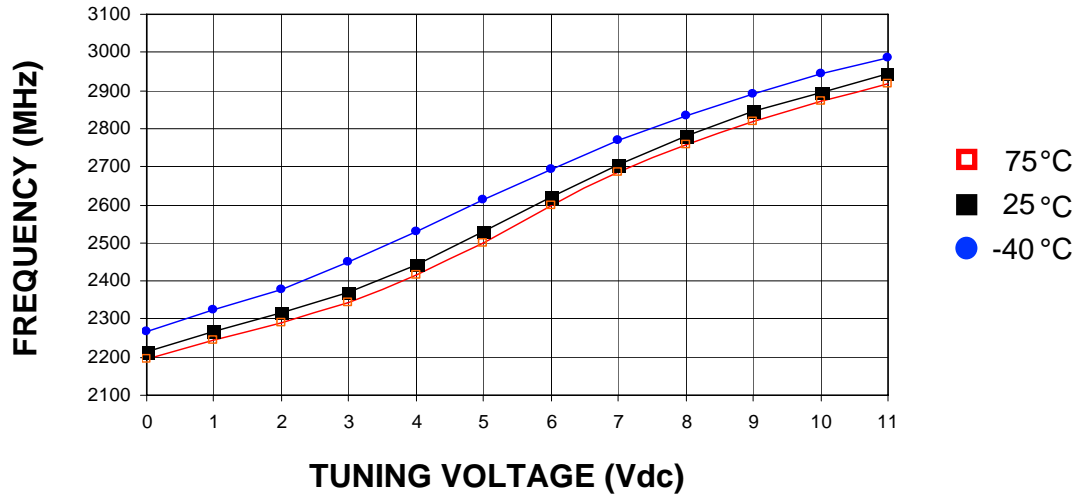
Power Supply Requirements

	Min	Typ	Max	Units
Supply Voltage (Vcc, nom.)		9		Vdc
Supply Current (Icc)		16	19	mA

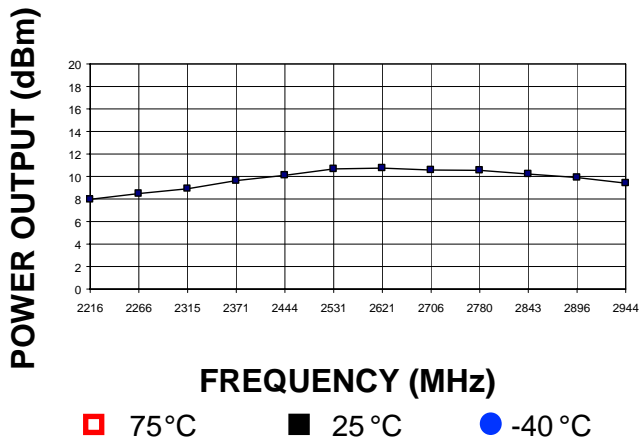
Additional Notes

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

Tuning Curve, typ.



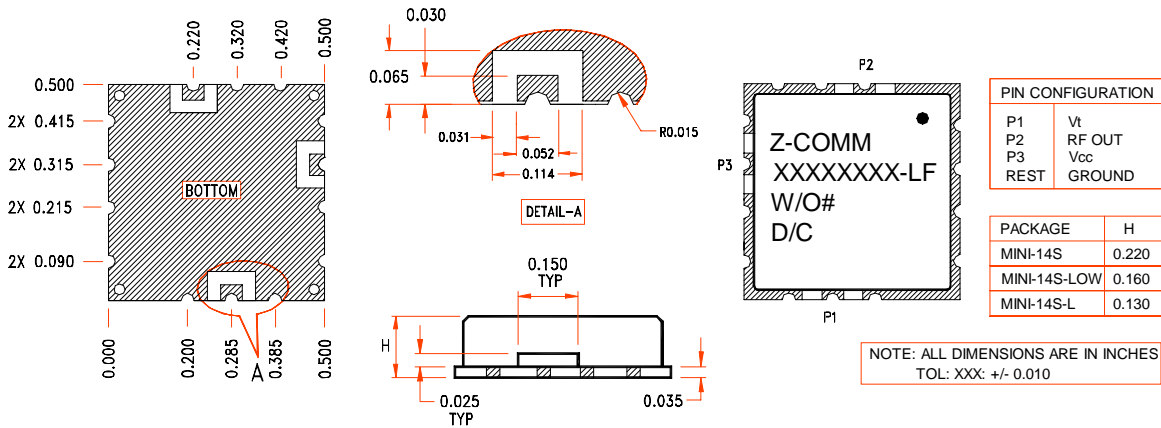
Power Curve, typ.



Footprint



Physical Dimensions



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