

PHASE NOISE (1 Hz BW, typical)

TEL: (858) 621-2700  
 URL: www.zcomm.com  
 EMAIL: applications@zcomm.com

## Voltage-Controlled Oscillator Surface Mount Module

### Applications

SatCom  
 Test Instrumentation

### Application Notes

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



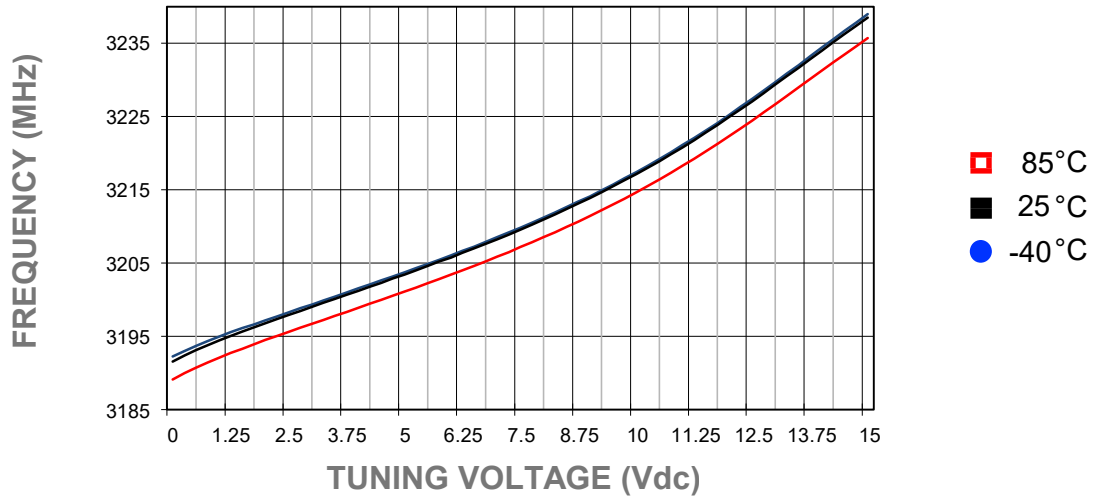
Performance Specifications	Min	Typ	Max	Units
Oscillation Frequency Range	3200		3230	MHz
Phase Noise @ 10 kHz offset (1 Hz BW)		-115		dBc/Hz
Harmonic Suppression (2nd)		-20	-15	dBc
Tuning Voltage	0.5		15	Vdc
Tuning Sensitivity (avg.)		4		MHz/V
Power Output	8	11	14	dBm
Load Impedance		50		$\Omega$
Input Capacitance			50	pF
Pushing			.5	MHz/V
Pulling (12 dB Return Loss, Any Phase)			3	MHz
Operating Temperature Range	-40		85	$^{\circ}\text{C}$
Package Style	MINI-16-SM			

Power Supply Requirements	Min	Typ	Max	Units
Supply Voltage (Vcc, nom.)		5		Vdc
Supply Current (Icc)		25	30	mA

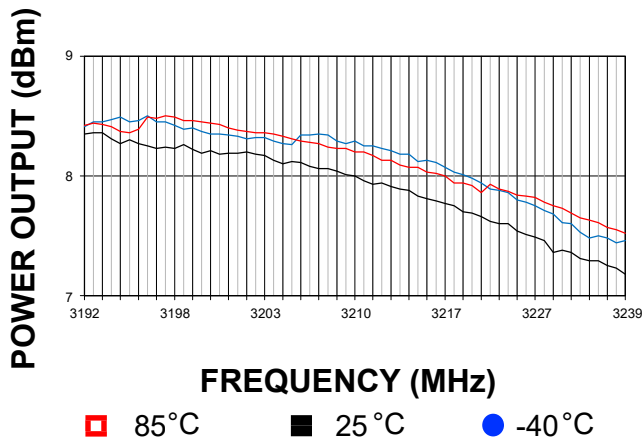
### Additional Notes

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

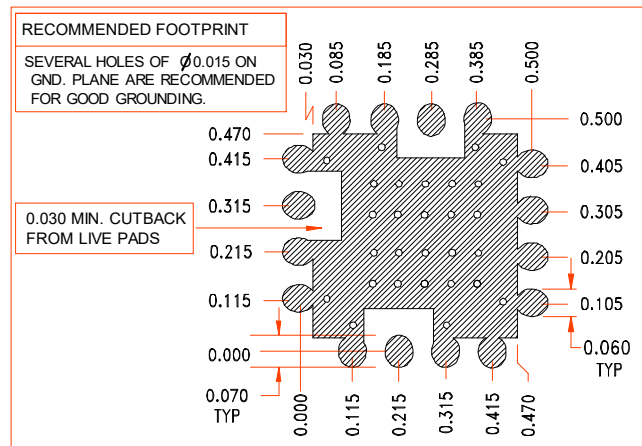
Tuning Curve, typ.



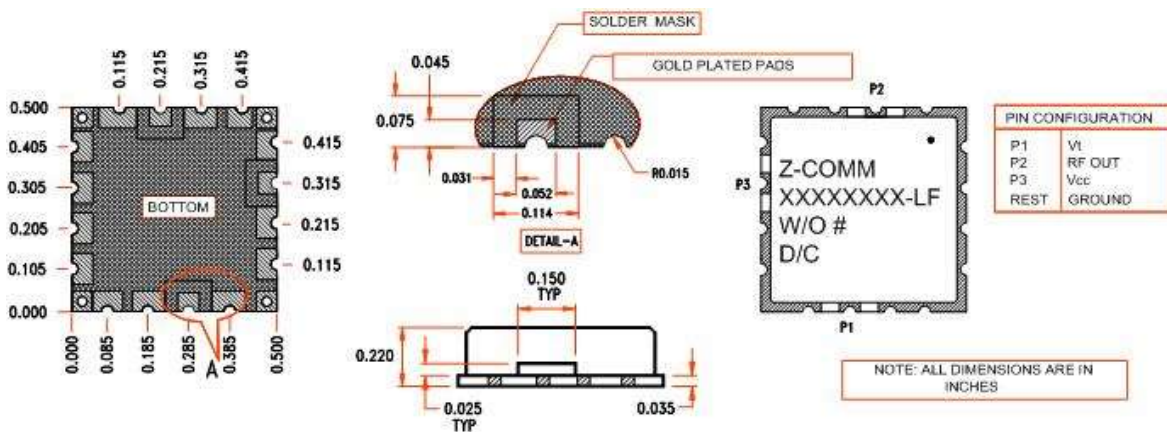
Power Curve, typ.



Footprint



Physical Dimensions



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