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## Voltage-Controlled Oscillator Surface Mount Module

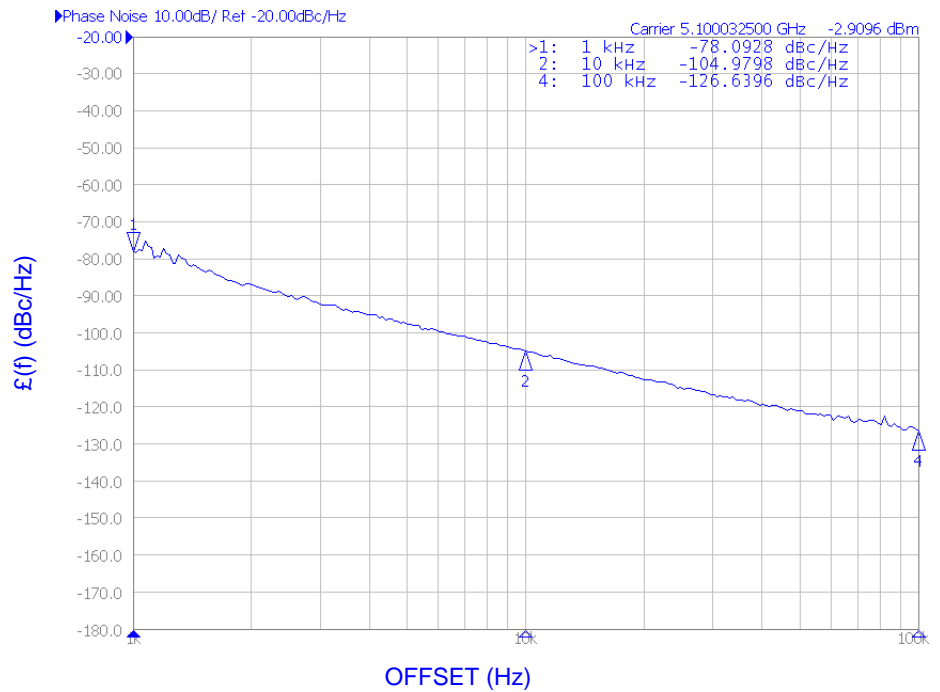
### Applications

- 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)



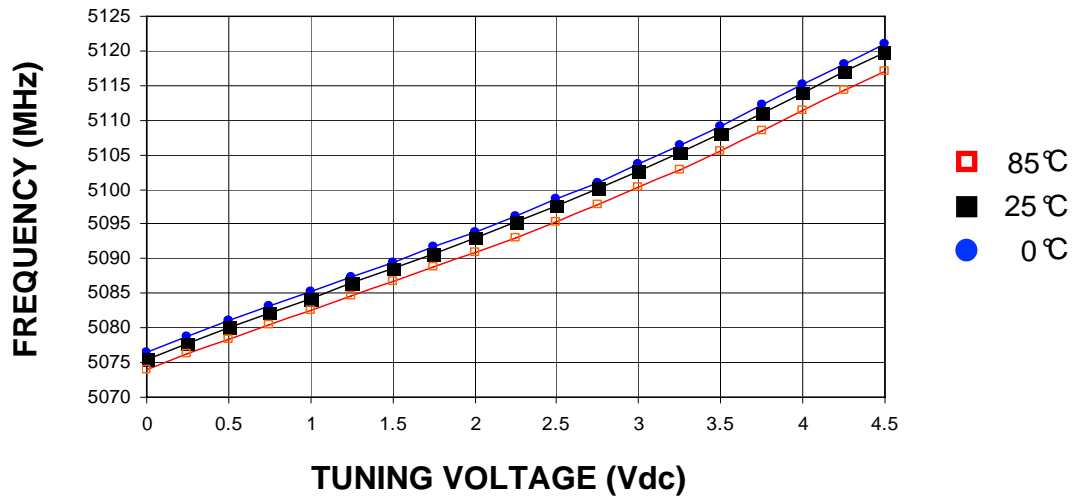
Performance Specifications	Min	Typ	Max	Units
Oscillation Frequency Range	5090		5110	MHz
Phase Noise @ 10 kHz offset (1 Hz BW)		-104		dBc/Hz
Harmonic Suppression (2nd)		-40	-17	dBc
Tuning Voltage	0.5		4.5	Vdc
Tuning Sensitivity (avg.)		10		MHz/V
Power Output	0	3	6	dBm
Load Impedance		50		$\Omega$
Input Capacitance			50	pF
Pushing			2	MHz/V
Pulling (14 dB Return Loss, Any Phase)			4	MHz
Operating Temperature Range	0		85	$^{\circ}\text{C}$
Package Style	VCO-24H			

Power Supply Requirements	Min	Typ	Max	Units
Supply Voltage (Vcc, nom.)		5		Vdc
Supply Current (Icc)		118	141	mA

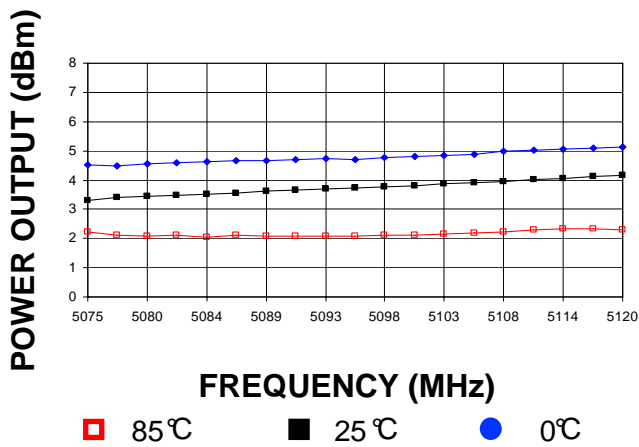
### Additional Notes

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

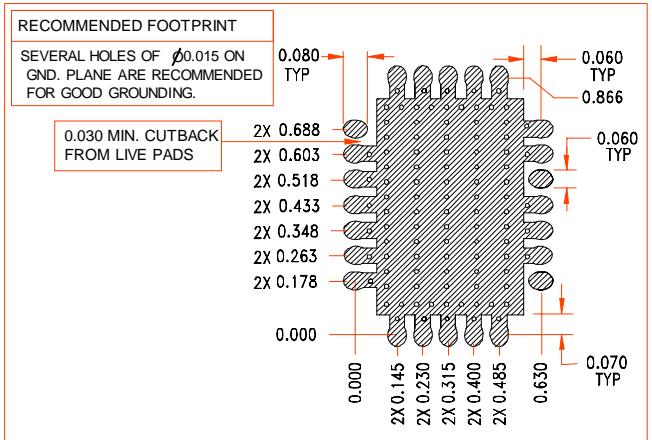
Tuning Curve, typ.



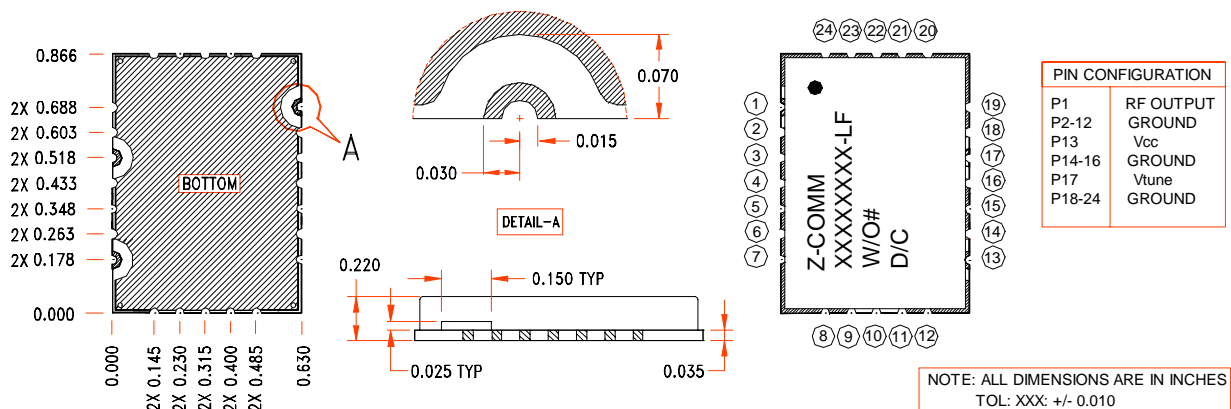
Power Curve, typ.



Footprint



Physical Dimensions



PIN CONFIGURATION	
P1	RF OUTPUT
P2-12	GROUND
P13	Vcc
P14-16	GROUND
P17	Vtune
P18-24	GROUND

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