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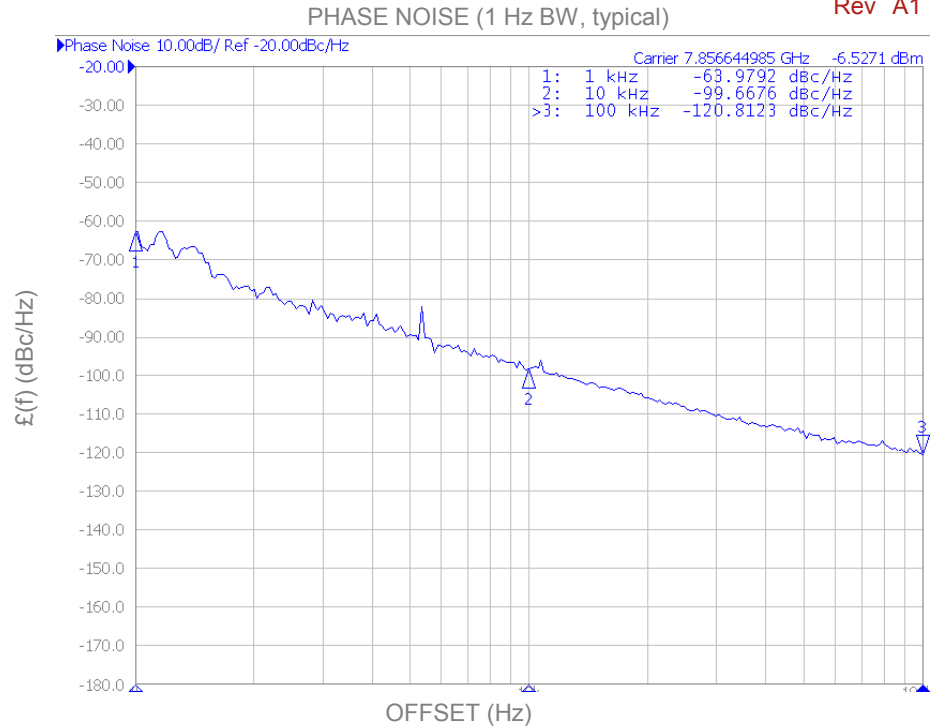
## Voltage-Controlled Oscillator Surface Mount Module

### Applications

- Test Equipment
- Radar Systems
- Satellite Communications

### Application Notes

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

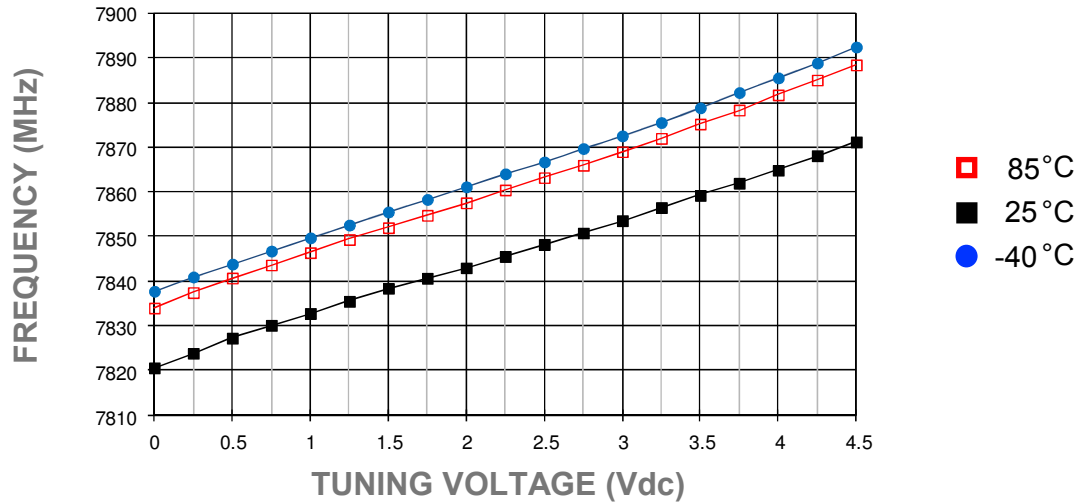


Performance Specifications	Min	Typ	Max	Units
Oscillation Frequency Range	7845		7855	MHz
Phase Noise @ 10 kHz offset (1 Hz BW)		-99		dBc/Hz
Harmonic Suppression (2nd)		-40	-30	dBc
Tuning Voltage	0.5		4.5	Vdc
Tuning Sensitivity (avg.)		42		MHz/V
Power Output	-4	0	4	dBm
Load Impedance		50		$\Omega$
Input Capacitance			50	pF
Pushing			2	MHz/V
Pulling (12 dB Return Loss, Any Phase)			.1	MHz
Operating Temperature Range	-40		85	$^{\circ}\text{C}$
Package Style		VCO-24H		

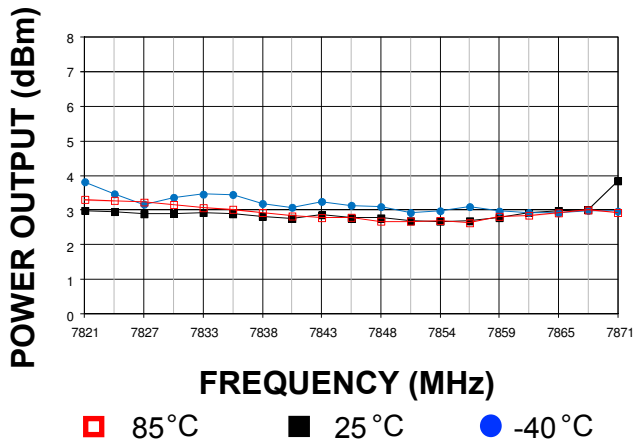
Power Supply Requirements	Min	Typ	Max	Units
Supply Voltage (Vcc, nom.)		5		Vdc
Supply Current (Icc)		135	150	mA

### Additional Notes

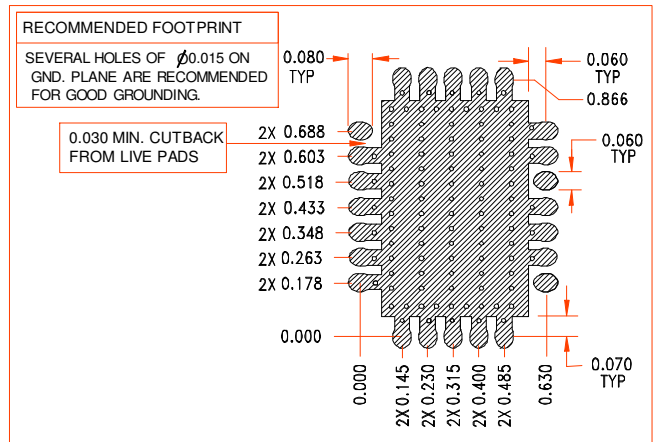
Tuning Curve, typ.



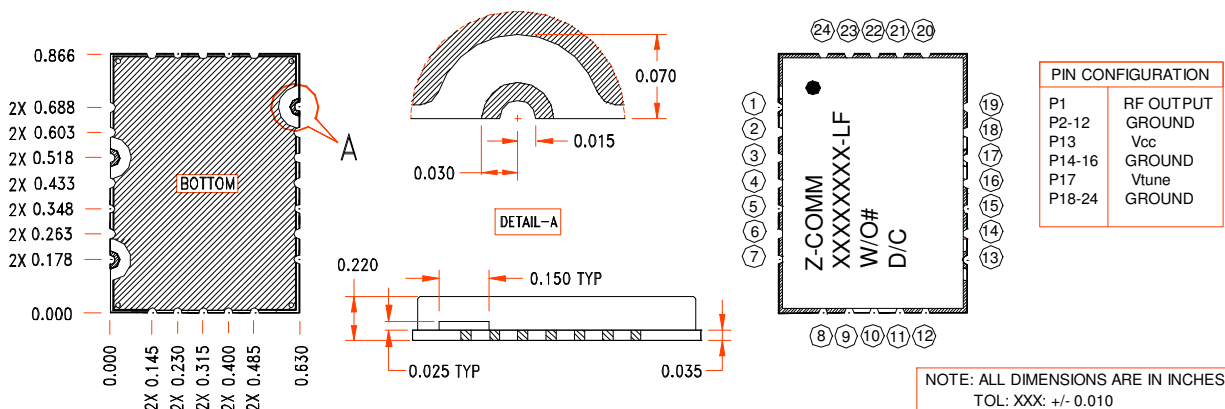
Power Curve, typ.



Footprint



Physical Dimensions



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

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