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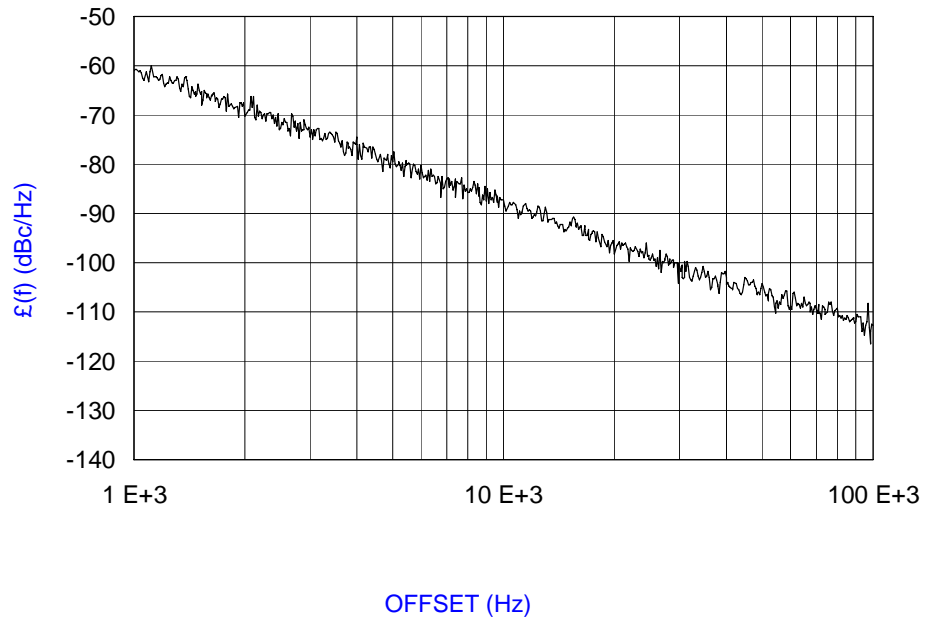
Voltage-Controlled Oscillator Surface Mount Module

Applications

- Direct Broadcast
- Satellite Up/Down Conversion
- Microwave Links

Application Notes

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



Performance Specifications

	Min	Typ	Max	Units
Oscillation Frequency Range	3400		3600	MHz
Phase Noise @ 10 kHz offset (1 Hz BW)		-88		dBc/Hz
Harmonic Suppression (2nd)		-15		dBc
Tuning Voltage	1.0		5.0	Vdc
Tuning Sensitivity (avg.)		94		MHz/V
Power Output	1	3	5	dBm
Load Impedance		50		Ω
Input Capacitance			50	pF
Pushing			1	MHz/V
Pulling (14 dB Return Loss, Any Phase)			6	MHz
Operating Temperature Range	-40		85	$^{\circ}\text{C}$
Package Style		MINI-14S-L		

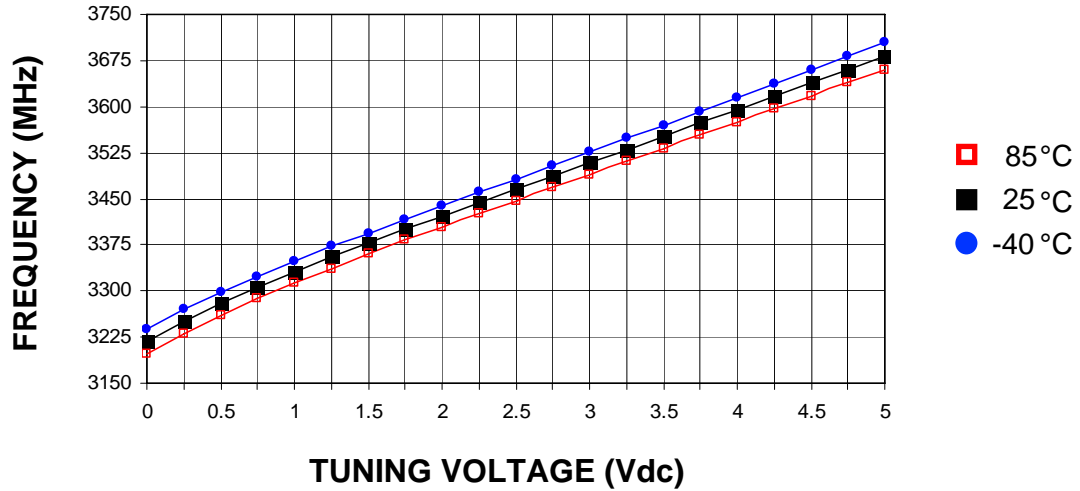
Power Supply Requirements

	Min	Typ	Max	Units
Supply Voltage (Vcc, nom.)		5		Vdc
Supply Current (Icc)		18	24	mA

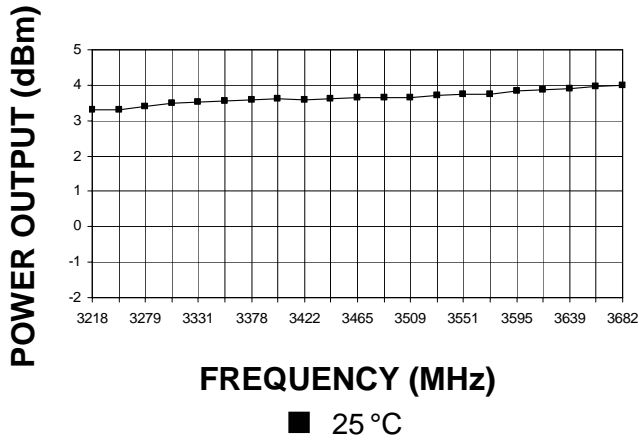
Additional Notes

Test Conditions: $V_{\text{tune}} = 1 \text{ Vdc} \dots F_{\text{out}} < 3370 \text{ MHz @ } 25^{\circ}\text{C}$
 $V_{\text{tune}} = 5 \text{ Vdc} \dots F_{\text{out}} > 3623 \text{ MHz @ } 25^{\circ}\text{C}$

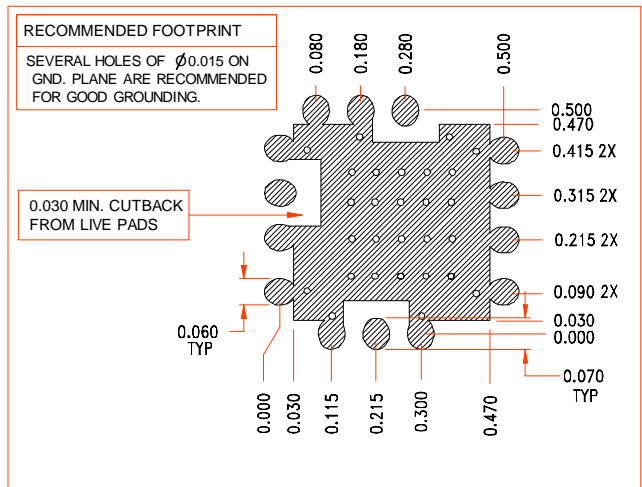
Tuning Curve, typ.



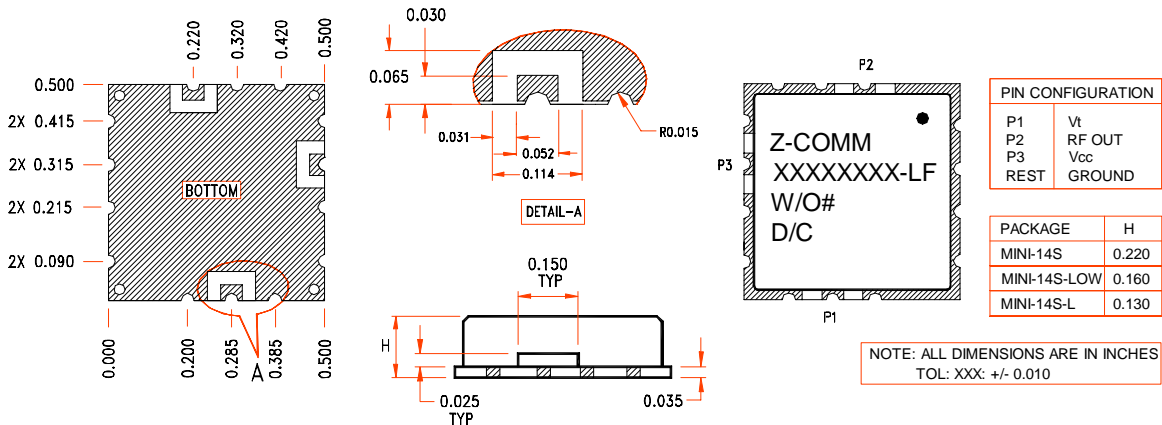
Power Curve, typ.



Footprint



Physical Dimensions



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