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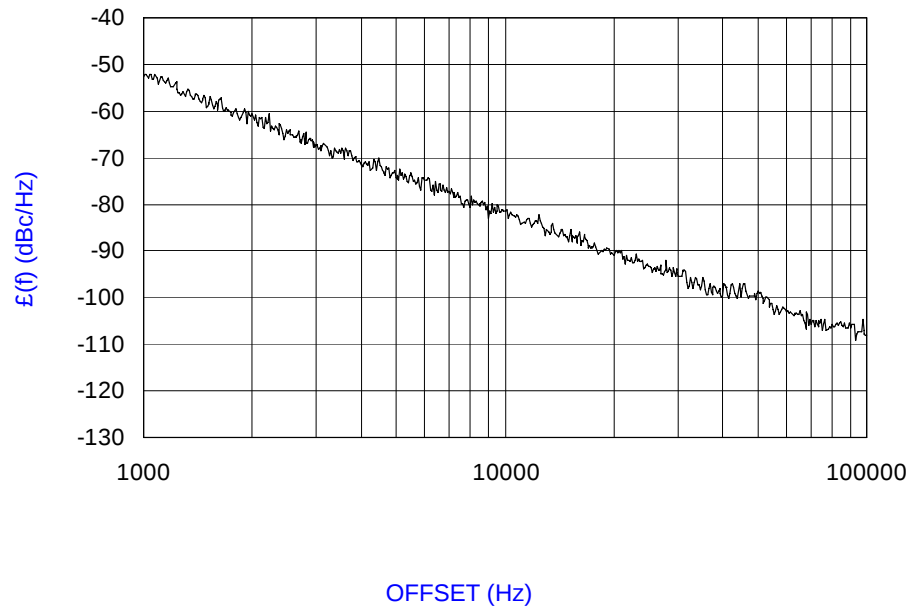
Voltage-Controlled Oscillator Surface Mount Module

Applications

- 802.11 WLAN
- Fixed Wireless Broadband
- Direct Broadcast

Application Notes

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

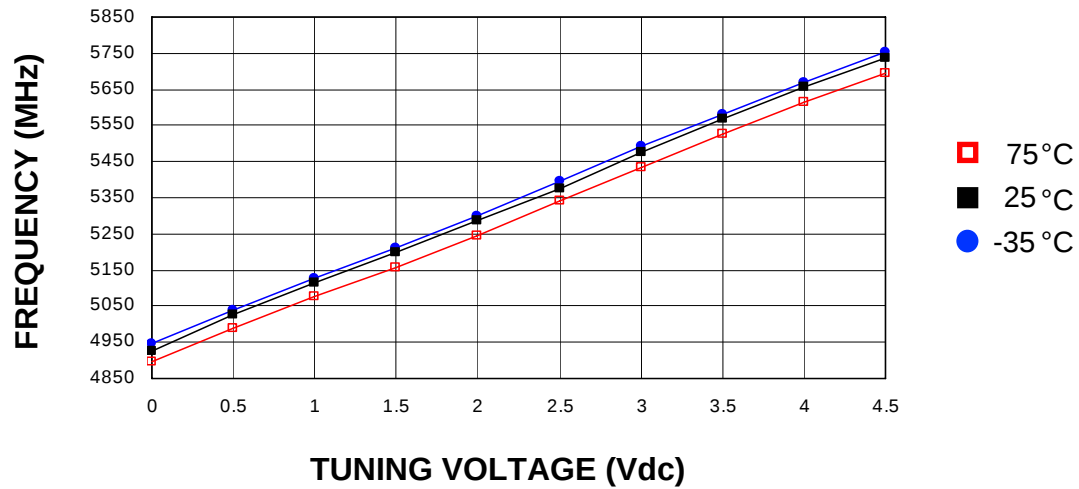


Performance Specifications	Min	Typ	Max	Units
Oscillation Frequency Range	5220		5420	MHz
Phase Noise @ 10 kHz offset (1 Hz BW)		-81		dBc/Hz
Harmonic Suppression (2nd)		-30		dBc
Tuning Voltage	0.5		4.5	Vdc
Tuning Sensitivity (avg.)		178		MHz/V
Power Output	1	3.5	6	dBm
Load Impedance		50		Ω
Input Capacitance			50	pF
Pushing			9	MHz/V
Pulling (14 dB Return Loss, Any Phase)			8	MHz
Operating Temperature Range	-35		75	$^{\circ}\text{C}$
Package Style		SUB-L		

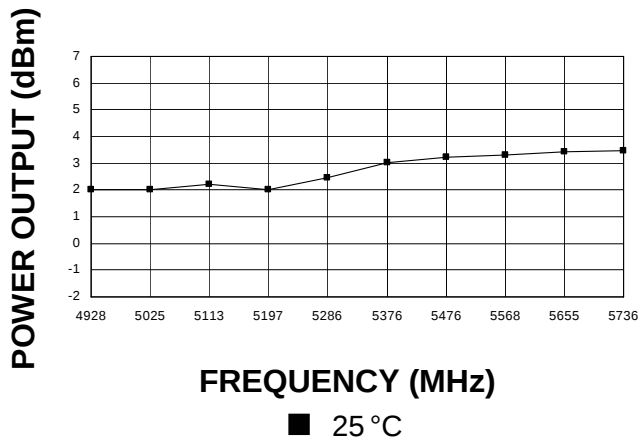
Power Supply Requirements	Min	Typ	Max	Units
Supply Voltage (Vcc, nom.)		5		Vdc
Supply Current (Icc)		26	32	mA

Additional Notes

Tuning Curve, typ.

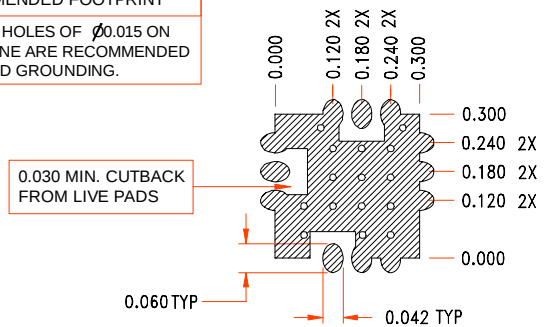


Power Curve, typ.

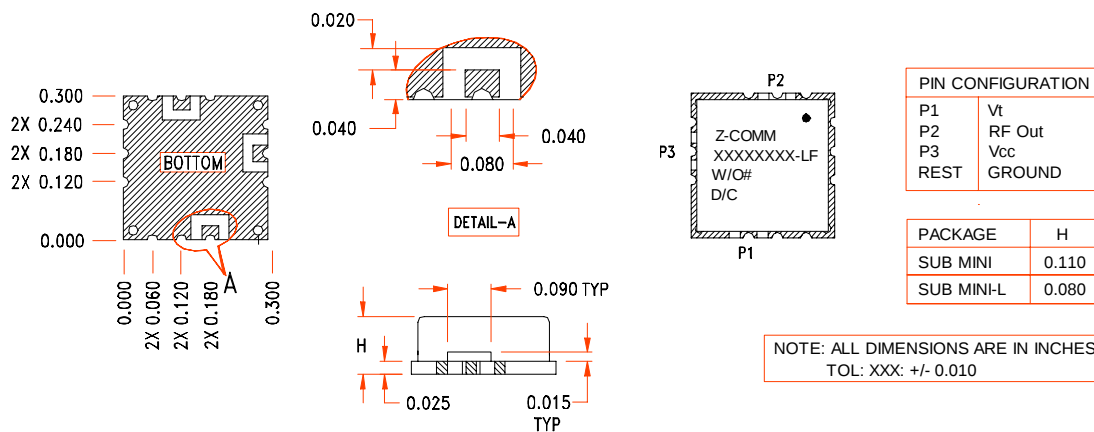


Footprint

RECOMMENDED FOOTPRINT
SEVERAL HOLES OF $\phi 0.015$ ON GND. PLANE ARE RECOMMENDED FOR GOOD GROUNDING.



Physical Dimensions



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