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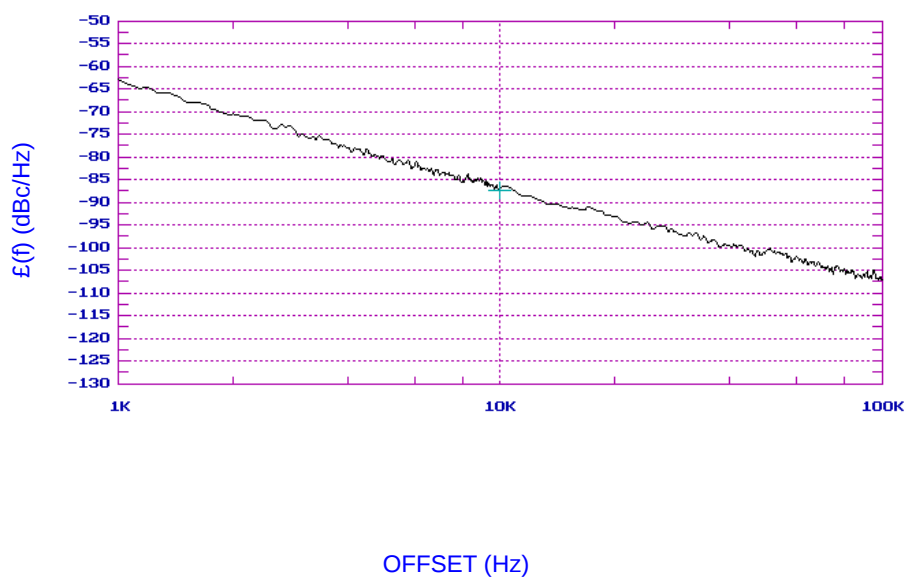
Voltage-Controlled Oscillator Surface Mount Module

Applications

- Personal Communications Systems
- WLAN
- Portable Radios

Application Notes

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



OFFSET (Hz)

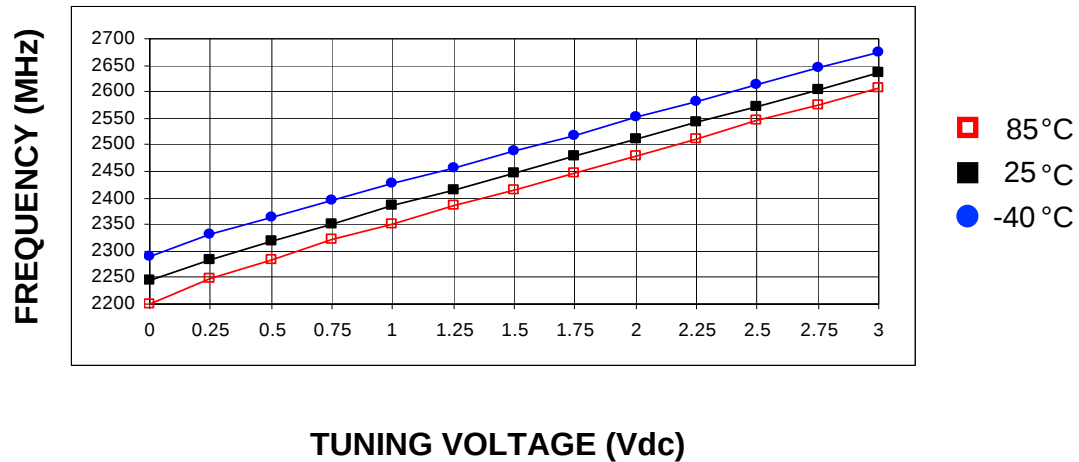
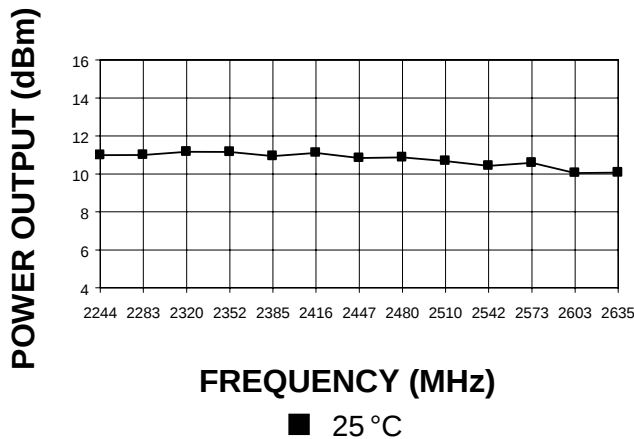
Performance Specifications

	Min	Typ	Max	Units
Oscillation Frequency Range	2430		2520	MHz
Phase Noise @ 10 kHz offset (1 Hz BW)		-87		dBc/Hz
Harmonic Suppression (2nd)		-12		dBc
Tuning Voltage	0		3	Vdc
Tuning Sensitivity (avg.)		130		MHz/V
Power Output	8	10	12	dBm
Load Impedance		50		Ω
Input Capacitance			50	pF
Pushing			30	MHz/V
Pulling (14 dB Return Loss, Any Phase)			20	MHz
Operating Temperature Range	-40		85	$^{\circ}\text{C}$
Package Style		SUB-L		

Power Supply Requirements

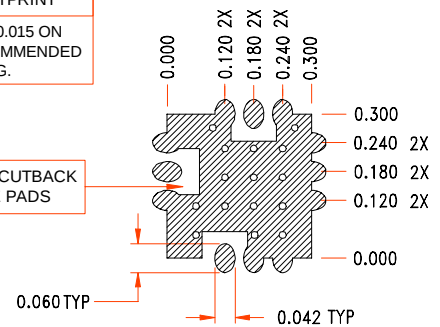
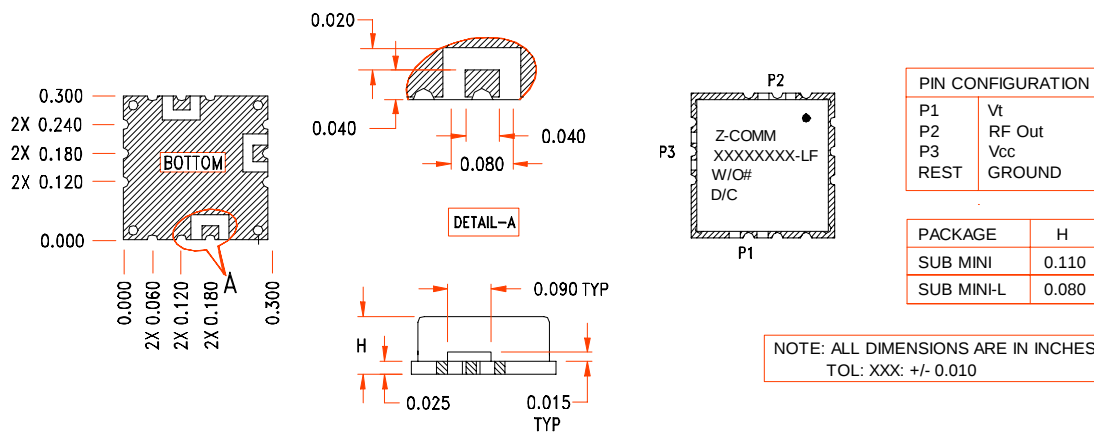
	Min	Typ	Max	Units
Supply Voltage (Vcc, nom.)		3		Vdc
Supply Current (Icc)		19	25	mA

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.

0.030 MIN. CUTBACK FROM LIVE PADS


Physical Dimensions


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