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Voltage-Controlled Oscillator Surface Mount Module

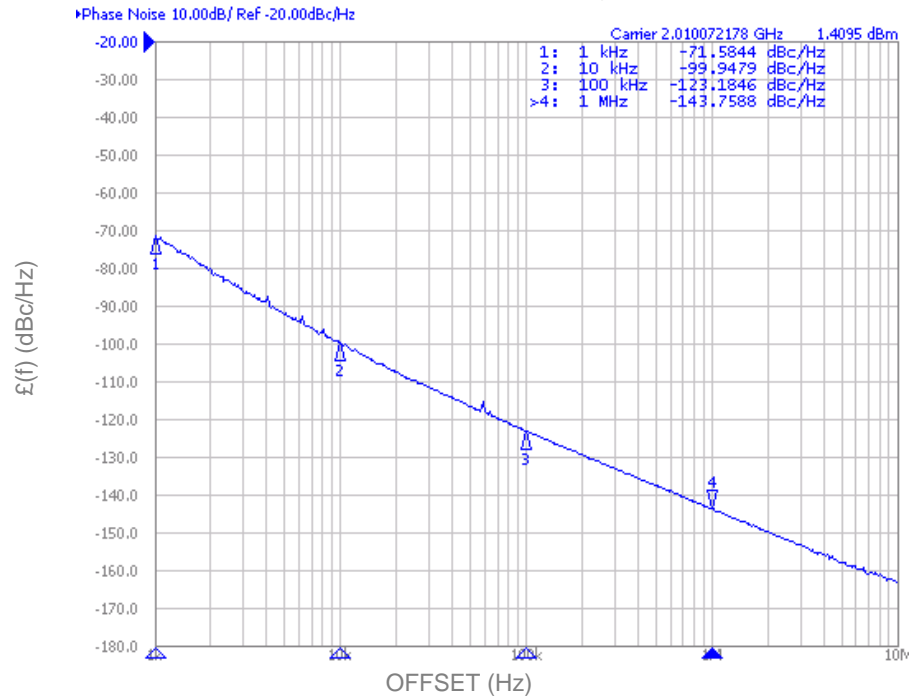
Applications

- Portable radios
- PCS
-

Application Notes

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

PHASE NOISE (1 Hz BW, typical)

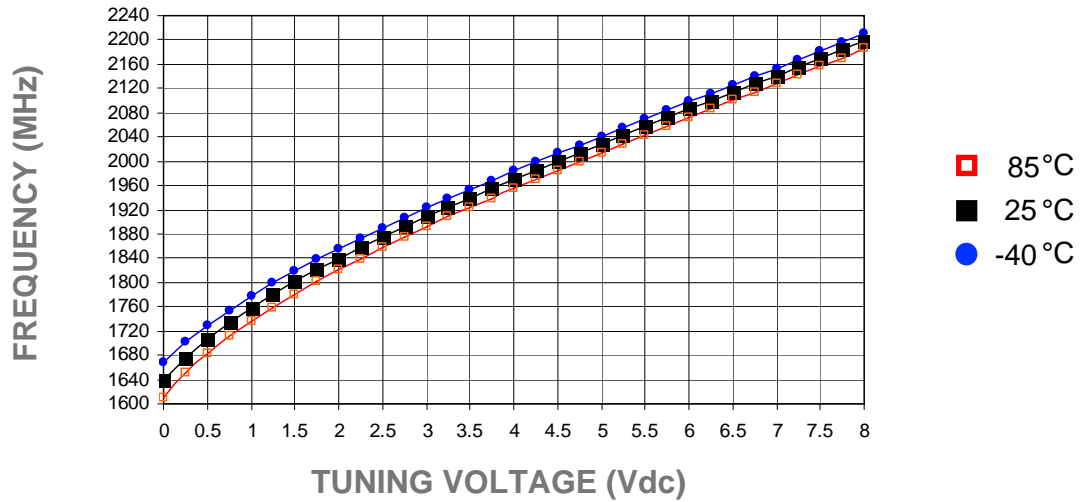


Performance Specifications	Min	Typ	Max	Units
Oscillation Frequency Range	1860		2160	MHz
Phase Noise @ 10 kHz offset (1 Hz BW)		-99		dBc/Hz
Harmonic Suppression (2nd)		-11	-9	dBc
Tuning Voltage	2		8	Vdc
Tuning Sensitivity (avg.)		60		MHz/V
Power Output	4.5	7.75	11	dBm
Load Impedance		50		Ω
Input Capacitance			50	pF
Pushing			4	MHz/V
Pulling (14 dB Return Loss, Any Phase)			6	MHz
Operating Temperature Range	-40		85	$^{\circ}\text{C}$
Package Style		MINI-14S		

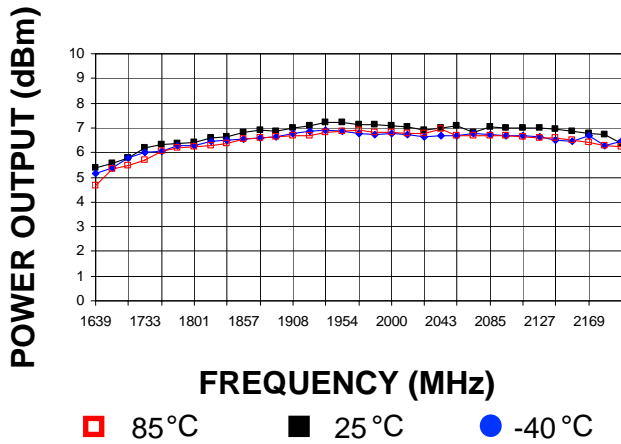
Power Supply Requirements	Min	Typ	Max	Units
Supply Voltage (Vcc, nom.)		9		Vdc
Supply Current (Icc)		20	26	mA

Additional Notes

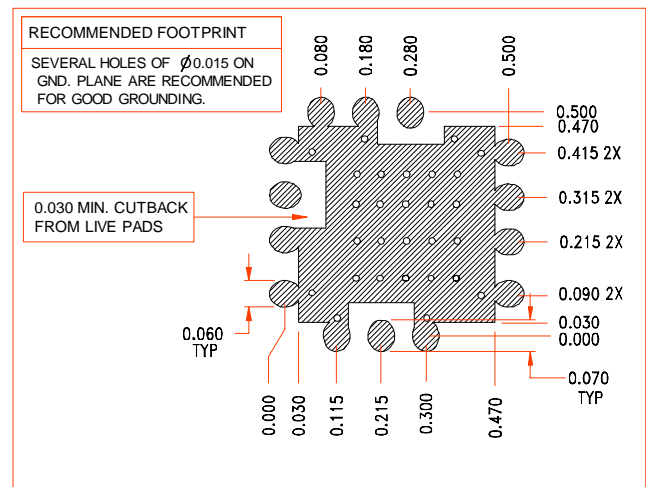
Tuning Curve, typ.



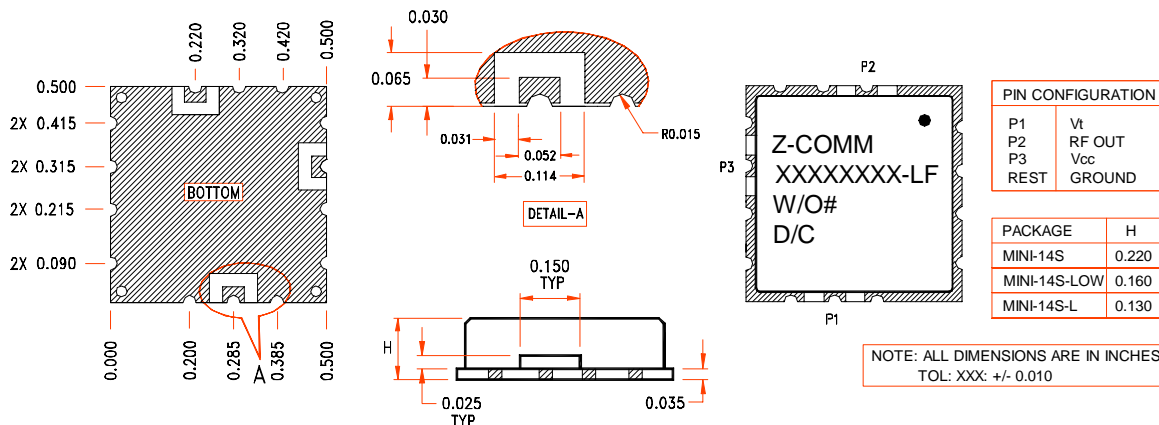
Power Curve, typ.



Footprint



Physical Dimensions



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