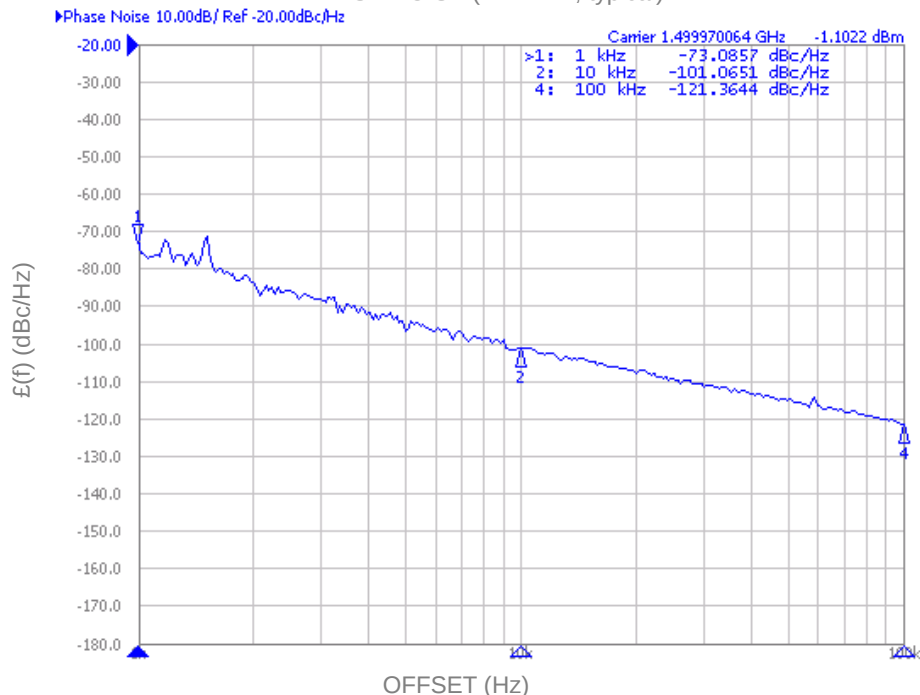


PHASE NOISE (1 Hz BW, typical)



Voltage-Controlled Oscillator Surface Mount Module

Applications

- Satellite Communications
- Test Instrumentation
- Earthstations

Application Notes

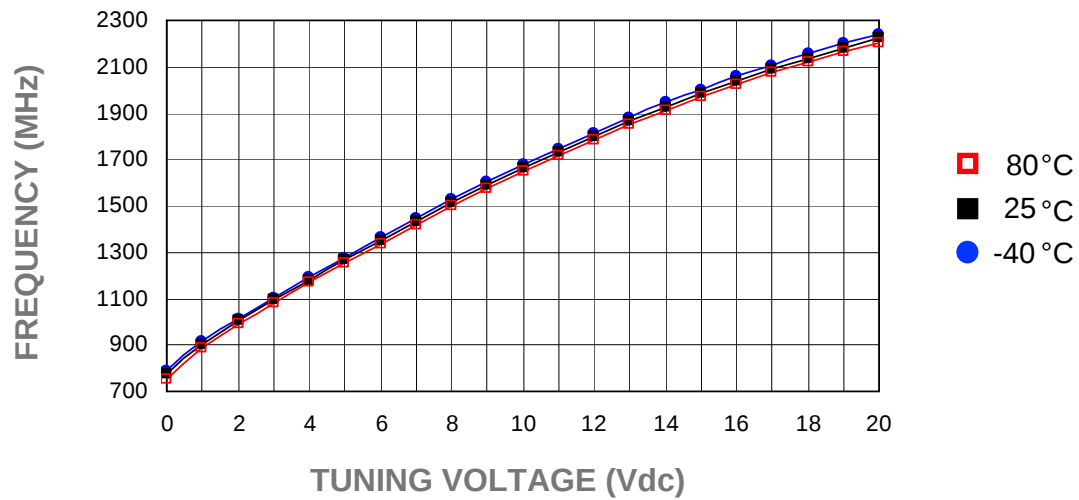
- AN-101: Mounting and Grounding
- AN-102: Output Loading
- AN-107: Manual Soldering

Performance Specifications	Min	Typ	Max	Units
Oscillation Frequency Range	1000		2000	MHz
Phase Noise @ 10 kHz offset (1 Hz BW)		-98		dBc/Hz
Harmonic Suppression (2nd)		-5		dBc
Tuning Voltage	1		20	Vdc
Tuning Sensitivity (avg.)		80		MHz/V
Power Output	3	5.5	8	dBm
Load Impedance		50		Ω
Input Capacitance			100	pF
Pushing			2	MHz/V
Pulling (14 dB Return Loss, Any Phase)			7	MHz
Operating Temperature Range	-40		80	$^{\circ}\text{C}$
Package Style	MINI-14S			

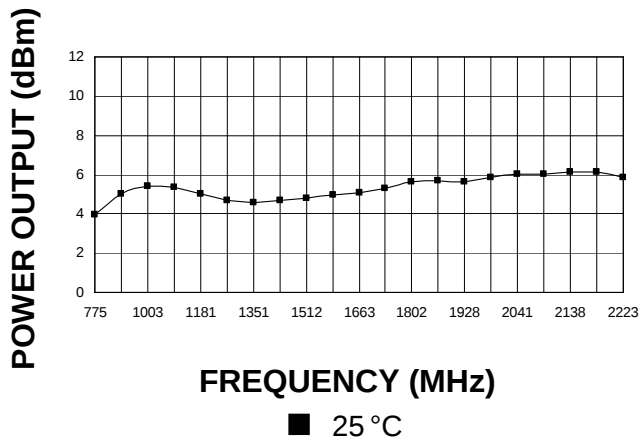
Power Supply Requirements	Min	Typ	Max	Units
Supply Voltage (Vcc, nom.)		10		Vdc
Supply Current (Icc)		15	18	mA

Additional Notes

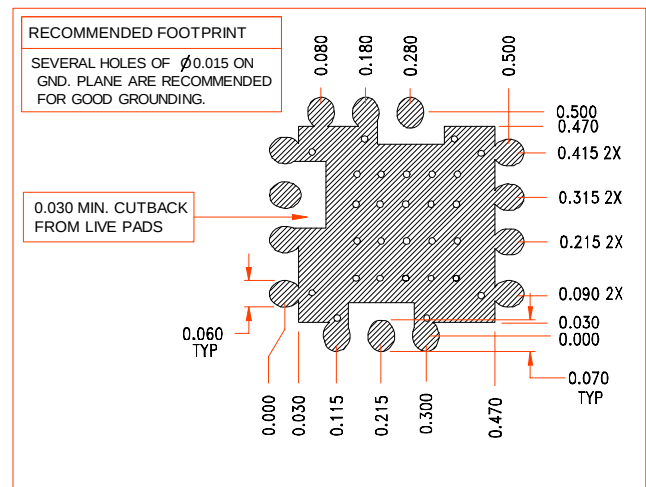
Tuning Curve, typ.



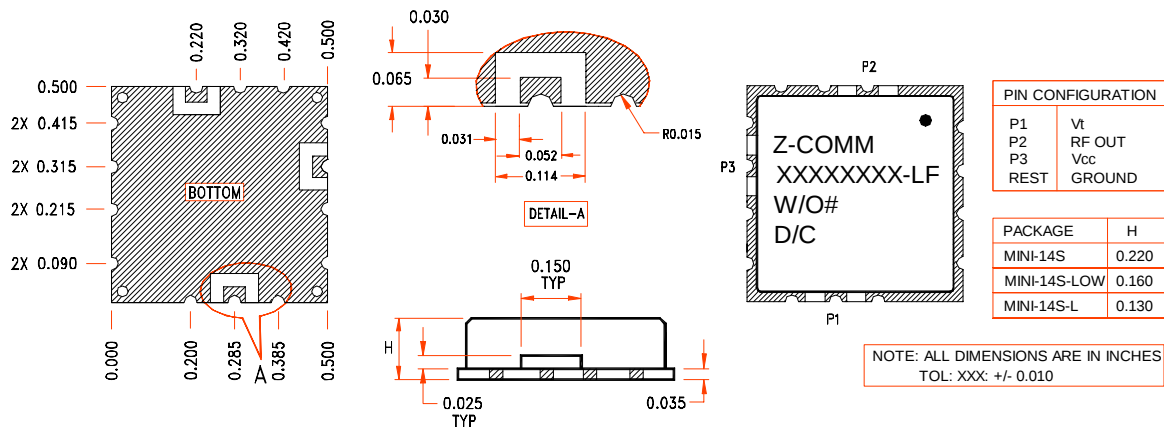
Power Curve, typ.



Footprint



Physical Dimensions



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