

PHASE NOISE (1 Hz BW, typical)

TEL: (858) 621-2700
 URL: www.zcomm.com
 EMAIL: applications@zcomm.com

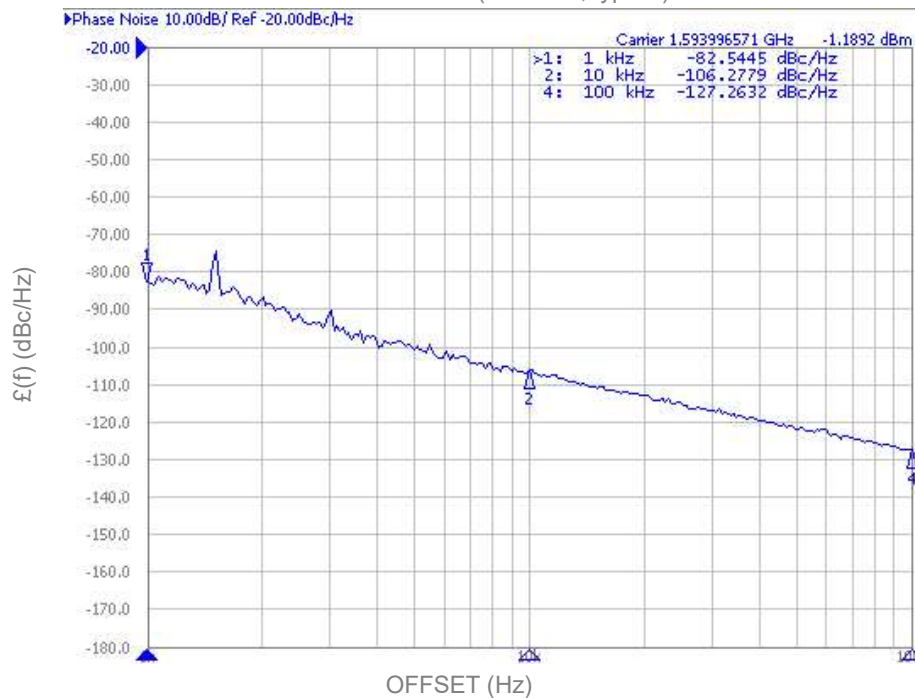
Voltage-Controlled Oscillator Surface Mount Module

Applications

Radio Equipment
 Test Instrumentation

Application Notes

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



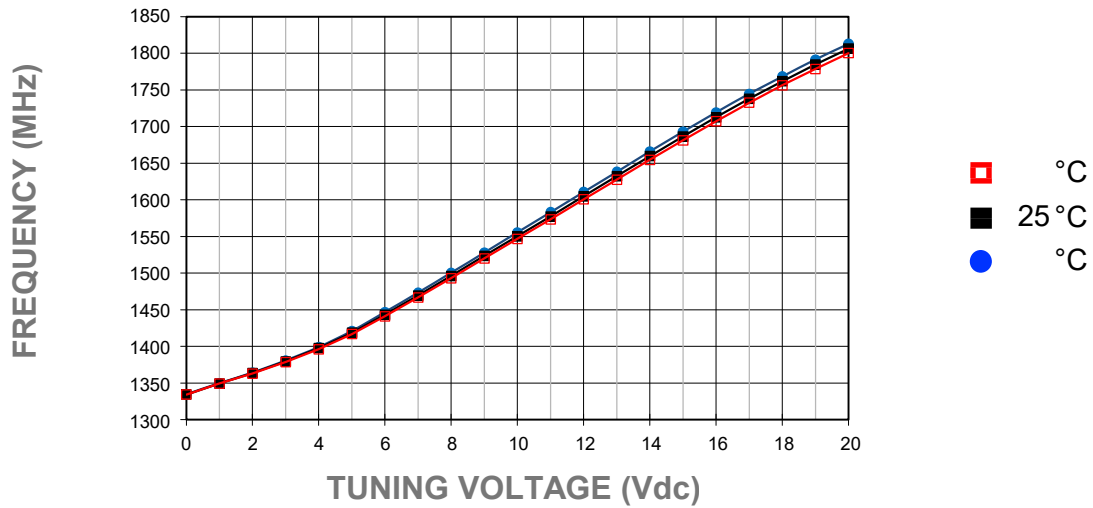
Performance Specifications	Min	Typ	Max	Units
Oscillation Frequency Range	1444		1744	MHz
Phase Noise @ 10 kHz offset (1 Hz BW)		-106	-102	dBc/Hz
Harmonic Suppression (2nd)		-22	-15	dBc
Tuning Voltage	3		20	Vdc
Tuning Sensitivity (avg.)		27		MHz/V
Power Output	3.5	6.5	9.5	dBm
Load Impedance		50		Ω
Input Capacitance			100	pF
Pushing			2	MHz/V
Pulling (12 dB Return Loss, Any Phase)			2	MHz
Operating Temperature Range	-55		85	$^{\circ}\text{C}$
Package Style		MINI-16-L		

Power Supply Requirements	Min	Typ	Max	Units
Supply Voltage (Vcc, nom.)		8		Vdc
Supply Current (Icc)		31	33	mA

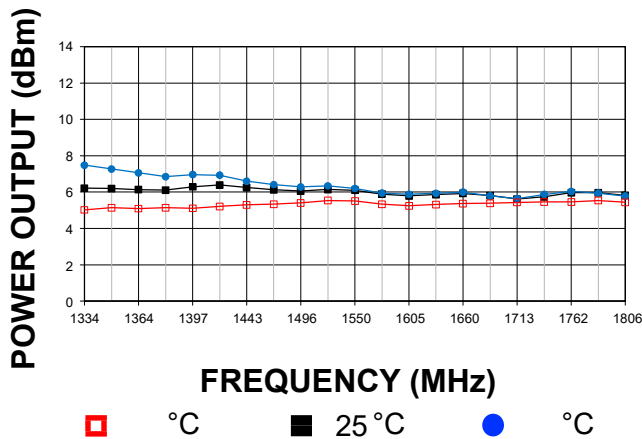
Additional Notes

Storage Temperature: -65 to 100 $^{\circ}\text{C}$

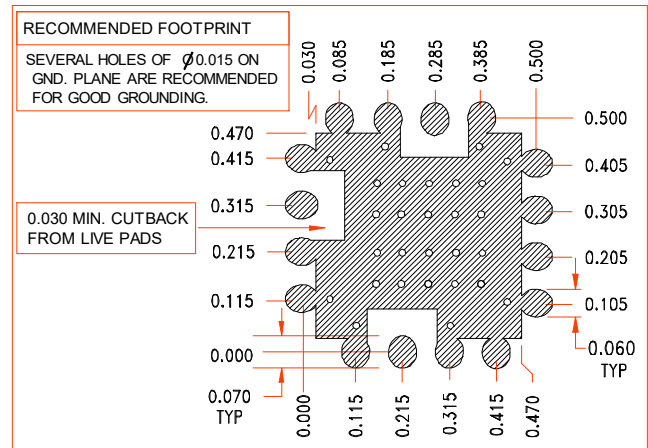
Tuning Curve, typ.



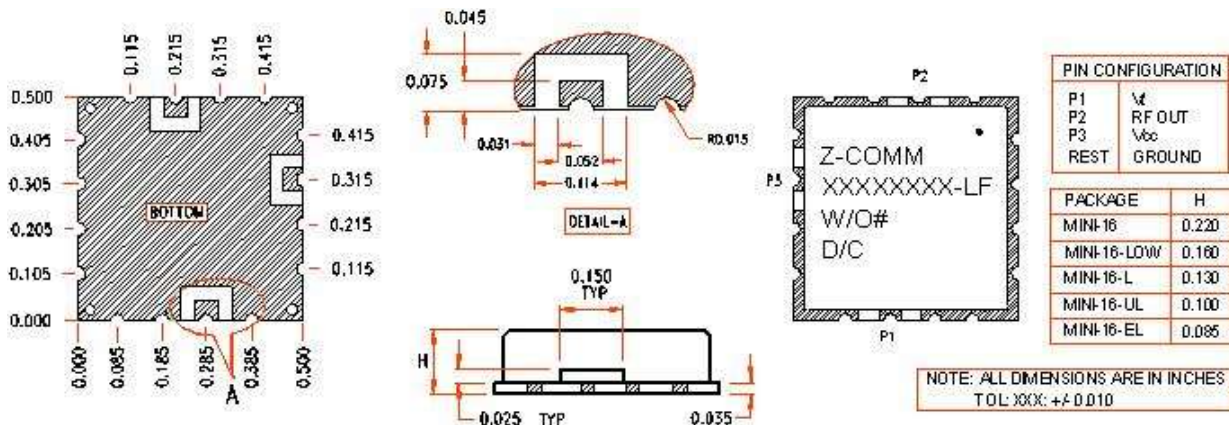
Power Curve, typ.



Footprint



Physical Dimensions



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