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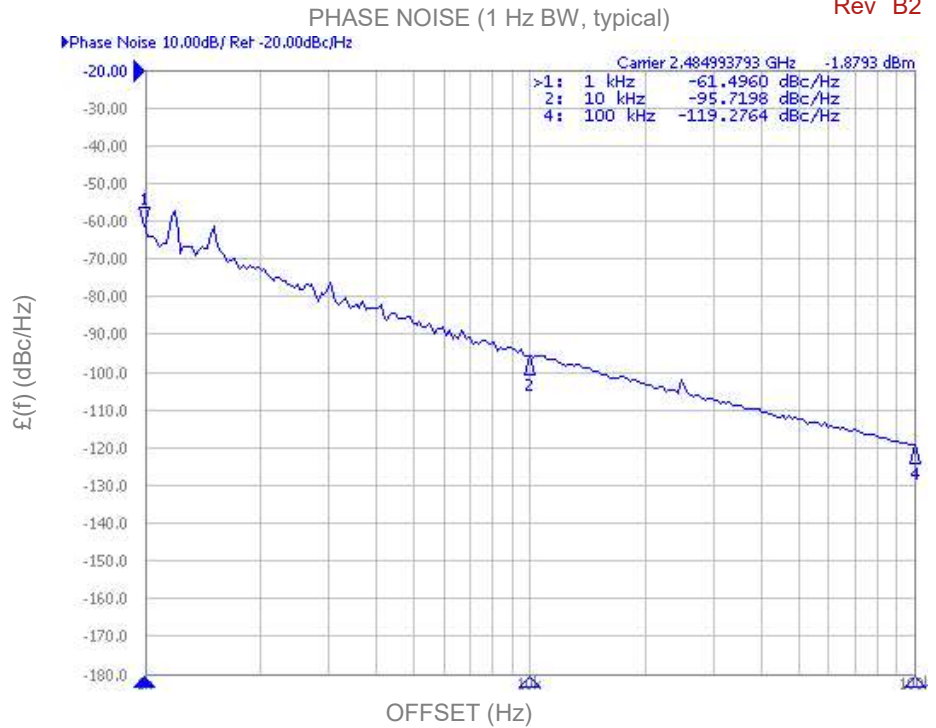
Voltage-Controlled Oscillator Surface Mount Module

Applications

Radio Equipment
 Satellite Communications

Application Notes

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



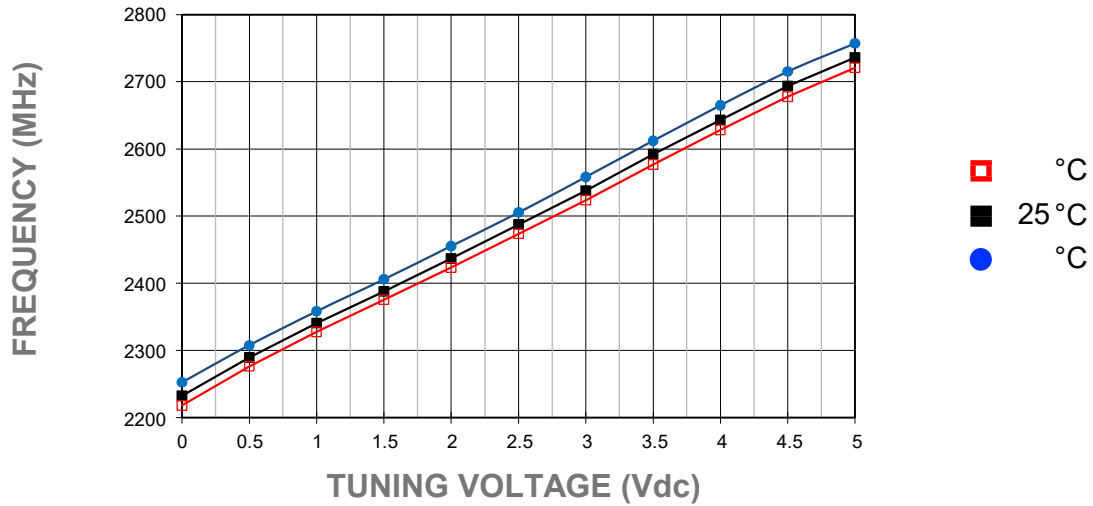
Performance Specifications	Min	Typ	Max	Units
Oscillation Frequency Range	2370		2600	MHz
Phase Noise @ 10 kHz offset (1 Hz BW)		-95	-91	dBc/Hz
Harmonic Suppression (2nd)		-15		dBc
Tuning Voltage	0.5		5	Vdc
Tuning Sensitivity (avg.)		100		MHz/V
Power Output	1	4	7	dBm
Load Impedance		50		Ω
Input Capacitance			50	pF
Pushing			2	MHz/V
Pulling (14 dB Return Loss, Any Phase)			8	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.)		5		Vdc
Supply Current (Icc)		20	30	mA

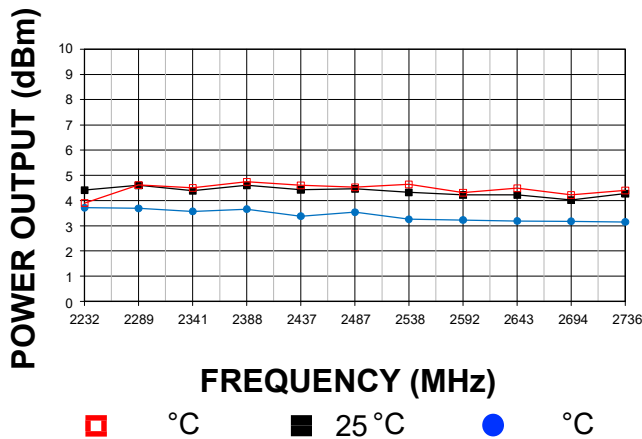
Additional Notes

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

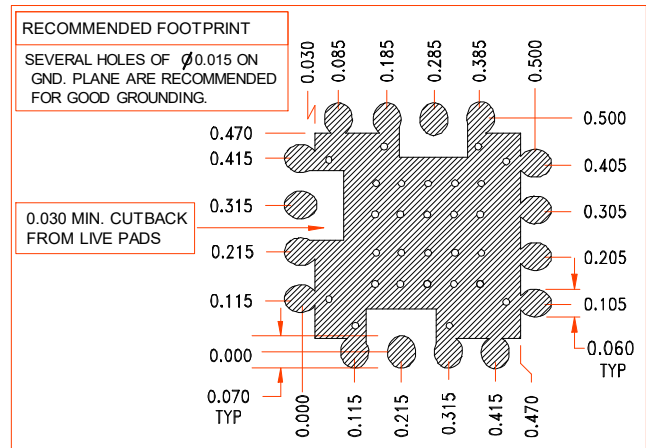
Tuning Curve, typ.



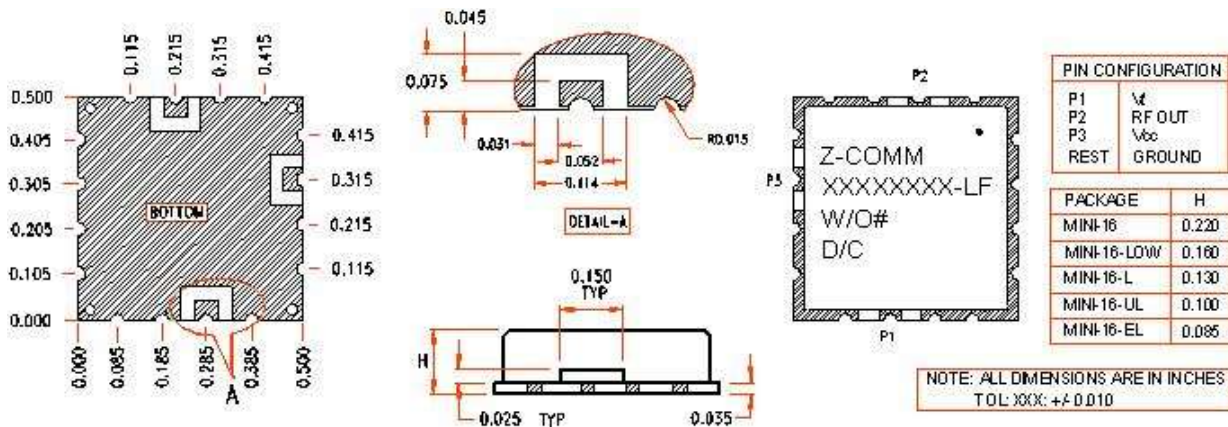
Power Curve, typ.



Footprint



Physical Dimensions



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