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## Voltage-Controlled Oscillator Surface Mount Module

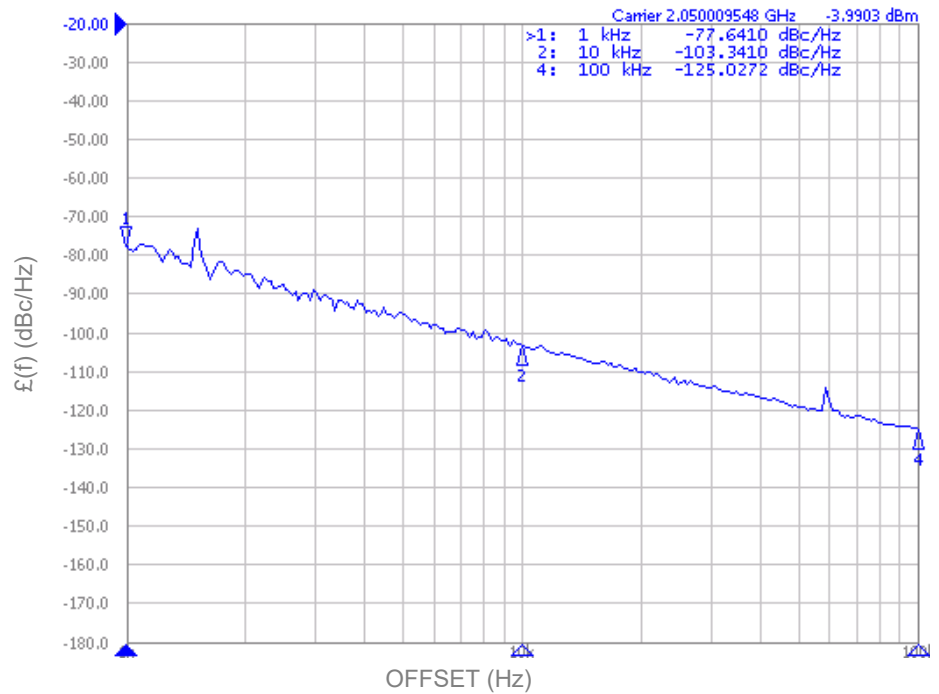
### Applications

Digital Radios  
 Earthstations  
 Satellite Modems

### Application Notes

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

PHASE NOISE (1 Hz BW, typical)

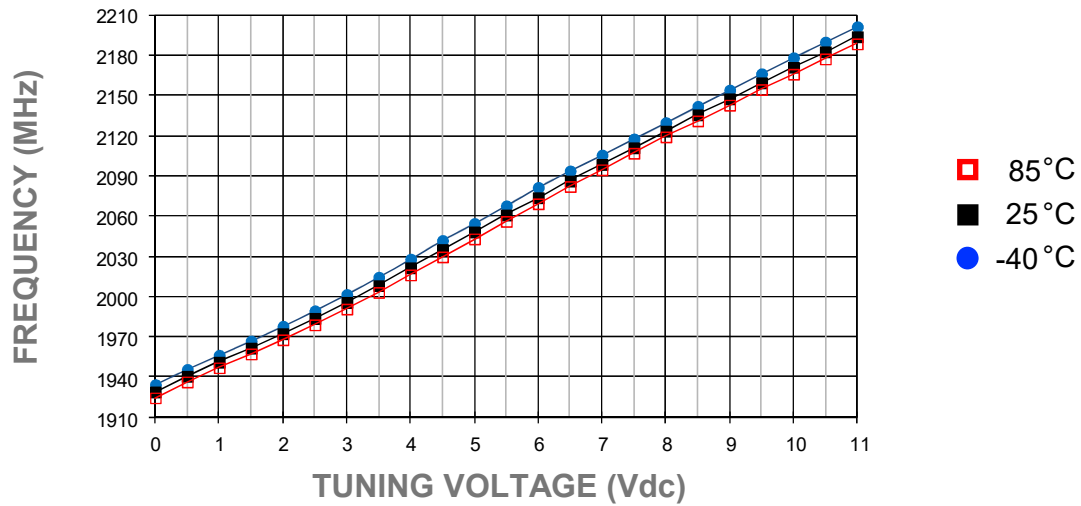


Performance Specifications	Min	Typ	Max	Units
Oscillation Frequency Range	1970		2130	MHz
Phase Noise @ 10 kHz offset (1 Hz BW)		-104		dBc/Hz
Harmonic Suppression (2nd)		-15	-10	dBc
Tuning Voltage	0.5		11	Vdc
Tuning Sensitivity (avg.)		25		MHz/V
Power Output	0	2.5	5	dBm
Load Impedance		50		$\Omega$
Input Capacitance			50	pF
Pushing			2	MHz/V
Pulling (12 dB Return Loss, Any Phase)			2	MHz
Operating Temperature Range	-40		85	$^{\circ}\text{C}$
Package Style	MINI-16-L			

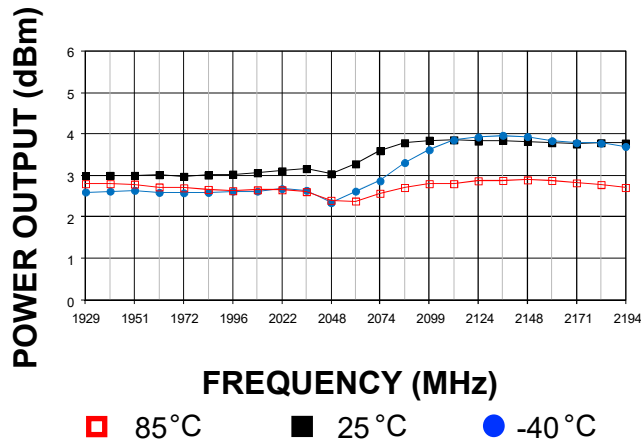
Power Supply Requirements	Min	Typ	Max	Units
Supply Voltage (Vcc, nom.)		5		Vdc
Supply Current (Icc)		19	23	mA

### Additional Notes

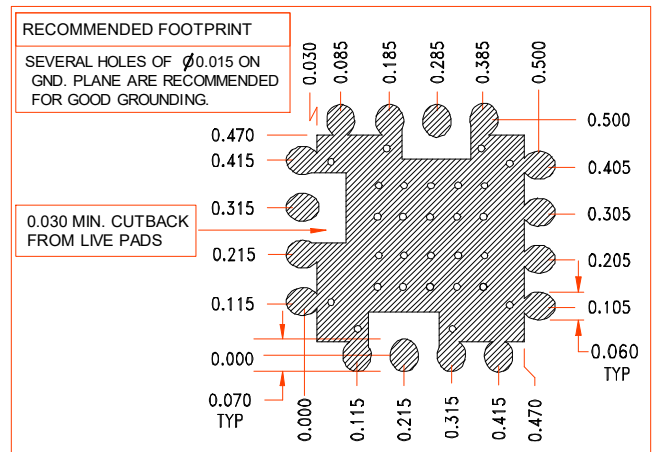
Tuning Curve, typ.



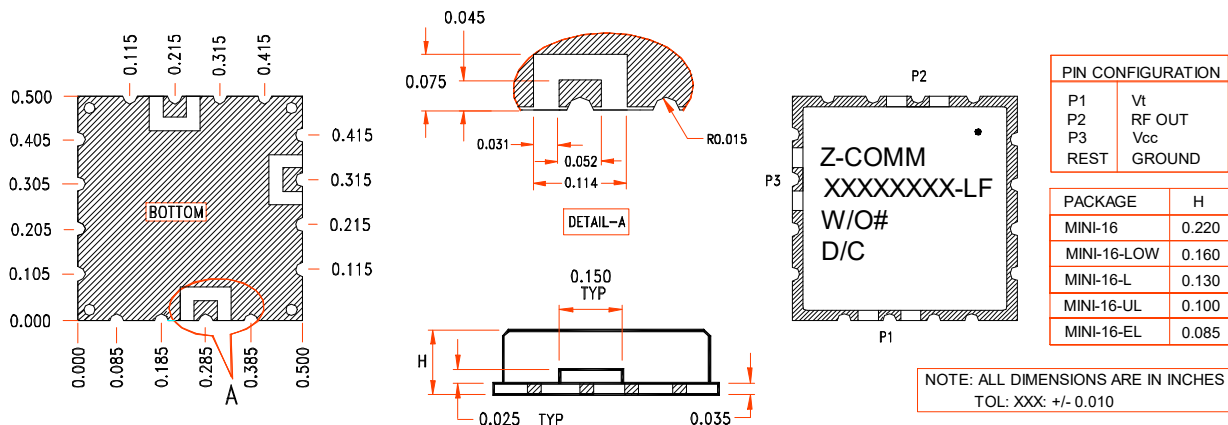
Power Curve, typ.



Footprint



Physical Dimensions



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