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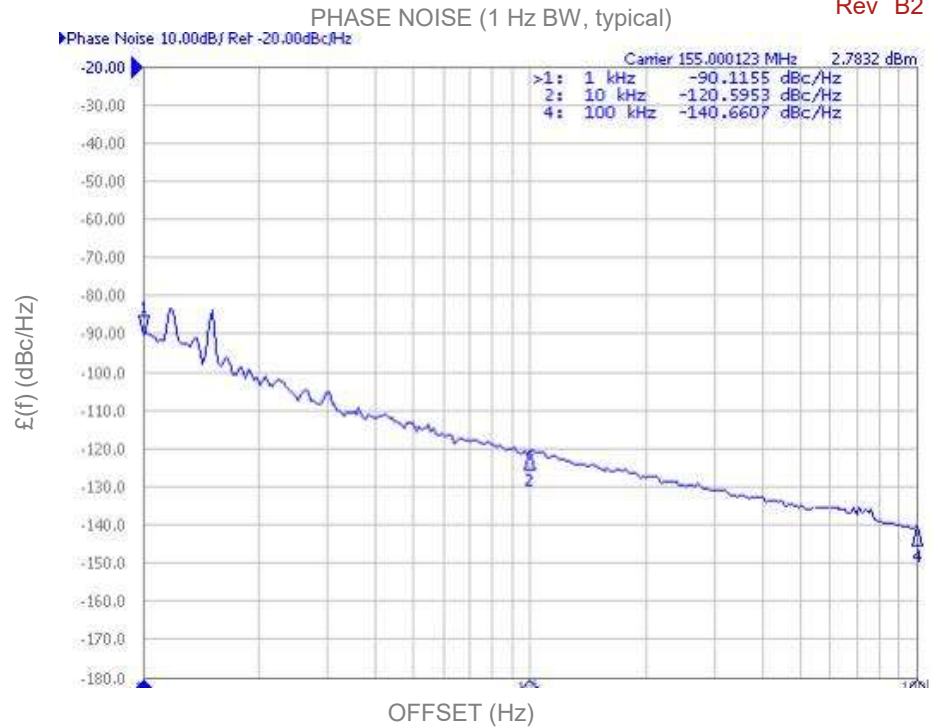
## Voltage-Controlled Oscillator Surface Mount Module

### Applications

Commercial Aviation  
 Earthstations

### Application Notes

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



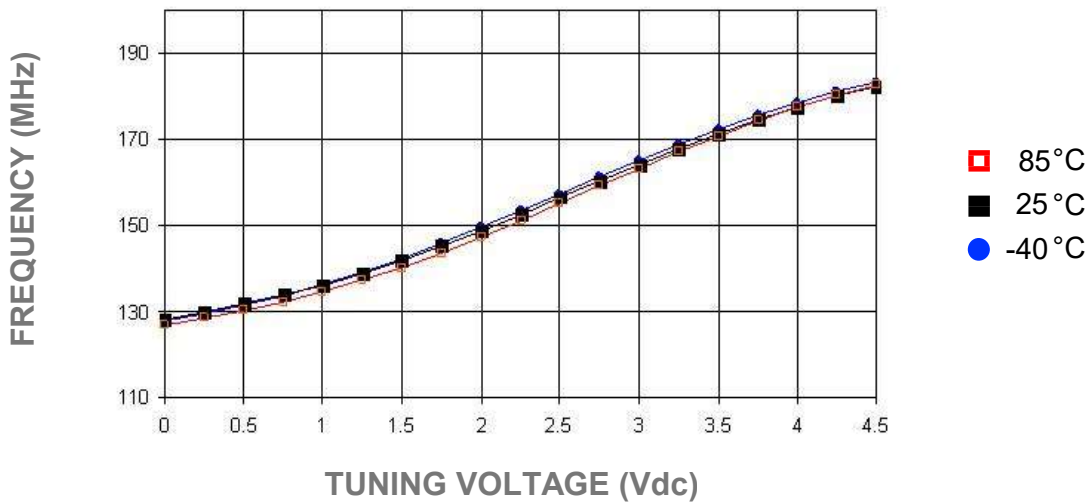
Performance Specifications	Min	Typ	Max	Units
Oscillation Frequency Range	136		174	MHz
Phase Noise @ 10 kHz offset (1 Hz BW)		-121		dBc/Hz
Harmonic Suppression (2nd)		-17		dBc
Tuning Voltage	0.5		4.5	Vdc
Tuning Sensitivity (avg.)		14		MHz/V
Power Output	5	7.5	10	dBm
Load Impedance		50		$\Omega$
Input Capacitance			1000	pF
Pushing			.1	MHz/V
Pulling (14 dB Return Loss, Any Phase)			.1	MHz
Operating Temperature Range	-40		85	$^{\circ}\text{C}$
Package Style		MINI-16		

Power Supply Requirements	Min	Typ	Max	Units
Supply Voltage (Vcc, nom.)		5		Vdc
Supply Current (Icc)		18	22	mA

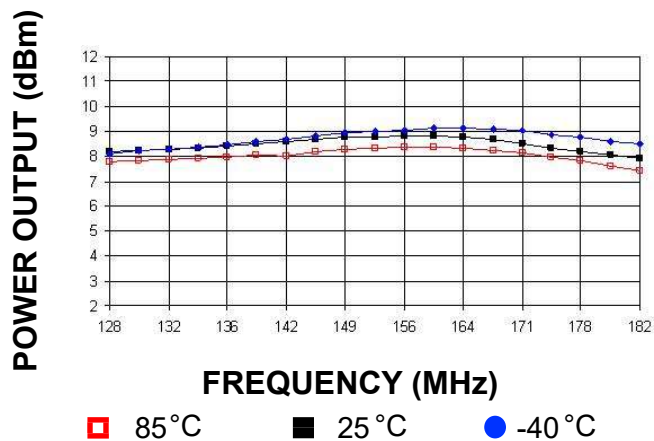
### Additional Notes

**This VCO will be the same as V155ME02-LF, only with gold plating.**

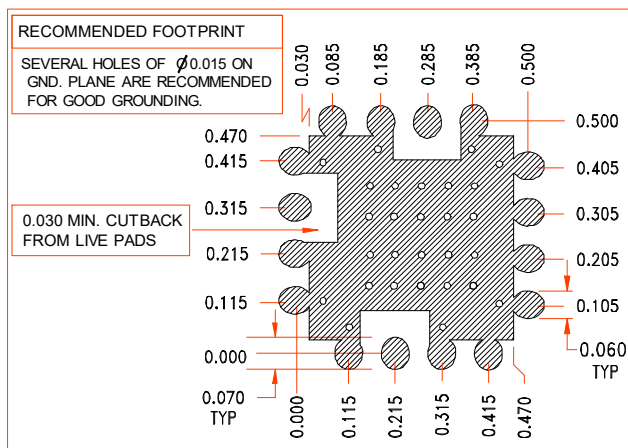
Tuning Curve, typ.



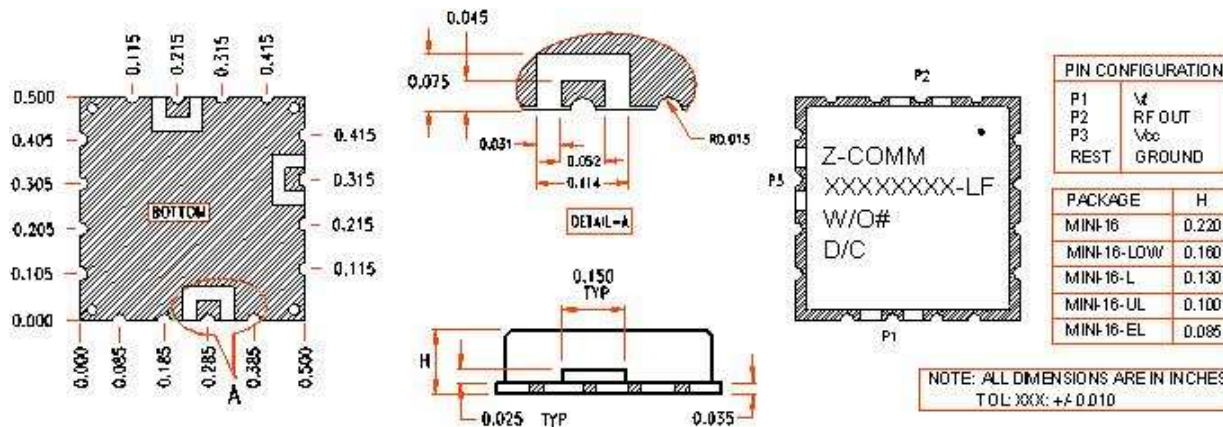
Power Curve, typ.



Footprint



Physical Dimensions



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