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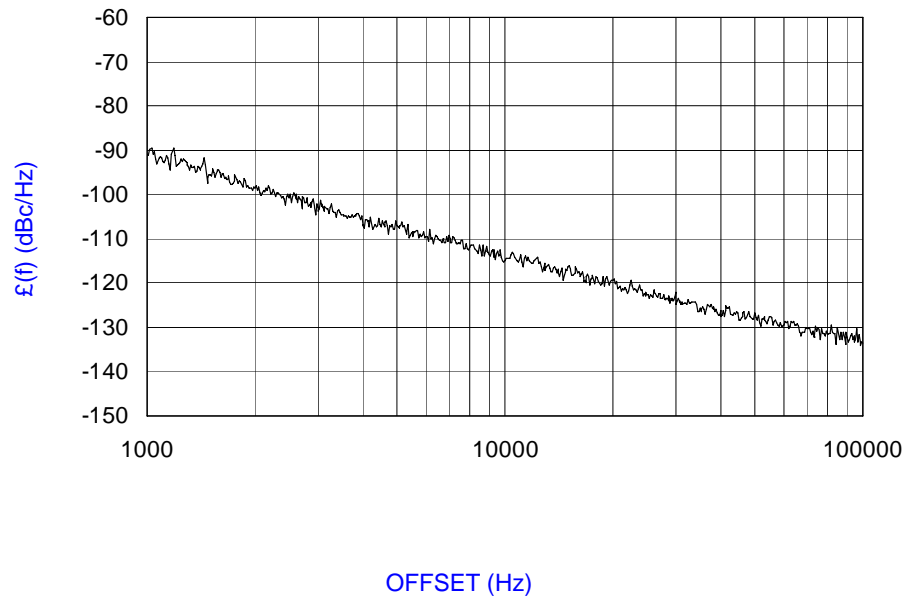
### Voltage-Controlled Oscillator Surface Mount Module

#### Applications

- RF Modems
- Earthstations
- 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	118		160	MHz
Phase Noise @ 10 kHz offset (1 Hz BW)		-115		dBc/Hz
Harmonic Suppression (2nd)		-8	-7	dBc
Tuning Voltage	1		16	Vdc
Tuning Sensitivity (avg.)		5		MHz/V
Power Output	-3	0	3	dBm
Load Impedance		50		$\Omega$
Input Capacitance			500	pF
Pushing			1	MHz/V
Pulling (14 dB Return Loss, Any Phase)			1	MHz
Operating Temperature Range	-35		85	$^{\circ}\text{C}$
Package Style	MINI-16-L			

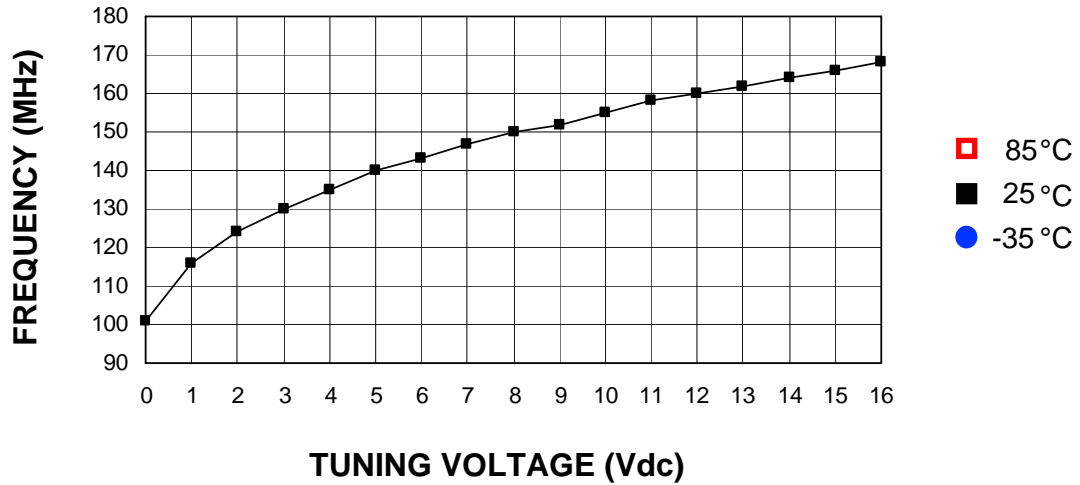
#### Power Supply Requirements

	Min	Typ	Max	Units
Supply Voltage (Vcc, nom.)		5		Vdc
Supply Current (Icc)		8	10	mA

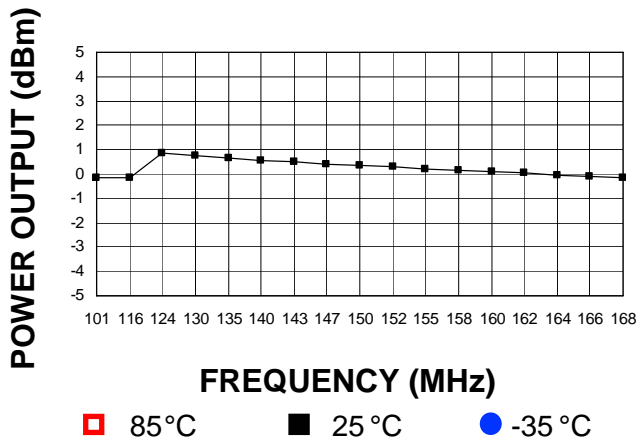
#### Additional Notes

PCB plating is Nickel/Gold. This supercedes the statement below in Note 1 under Physical Dimentions, "... boards are solder plated...".

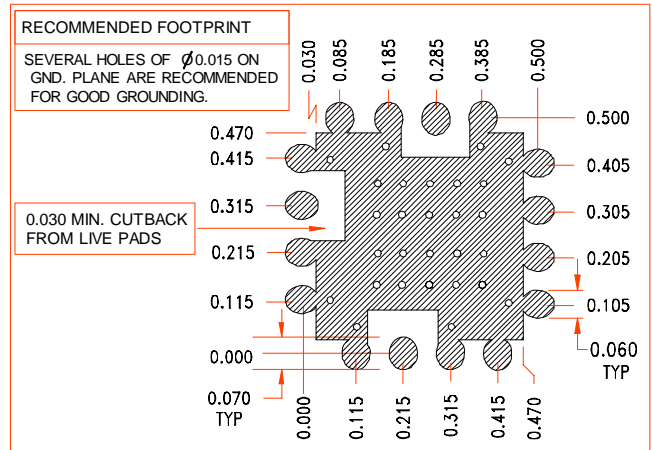
Tuning Curve, typ.



Power Curve, typ.



Footprint



Physical Dimensions



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