V330ME05

Rev A1

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Voltage-Controlled Oscillator
Surface Mount Module

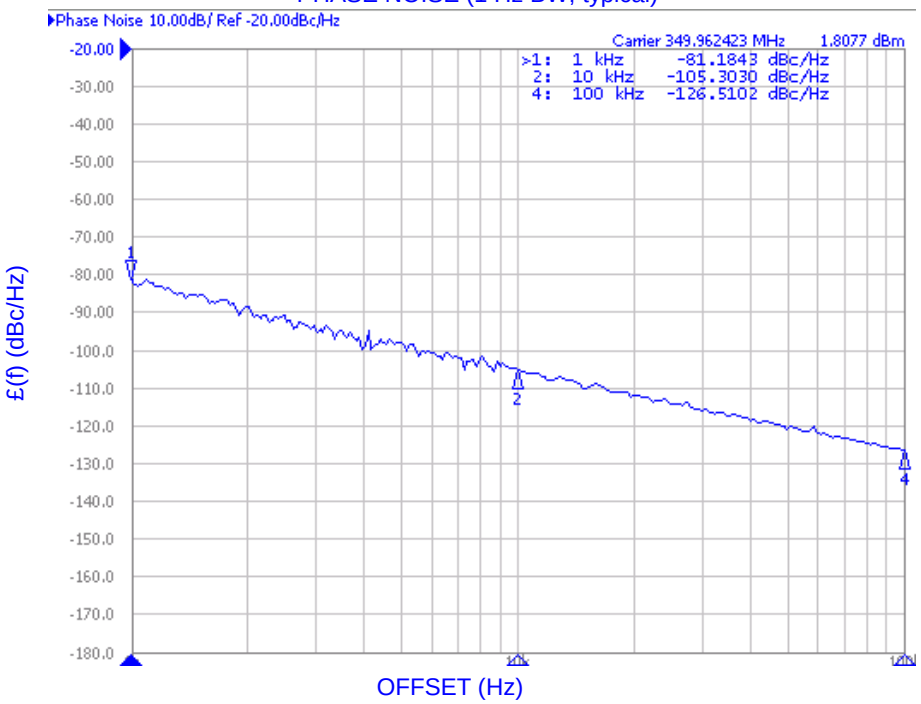
Applications

- Satellite Modems
- Mobile Radios
- CATV

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	345		355	MHz
Phase Noise @ 10 kHz offset (1 Hz BW)		-105		dBc/Hz
Harmonic Suppression (2nd)		-12		dBc
Tuning Voltage	0.5		4.5	Vdc
Tuning Sensitivity (avg.)		28		MHz/V
Power Output	6	8	10	dBm
Load Impedance		50		Ω
Input Capacitance			250	pF
Pushing			2	MHz/V
Pulling (14 dB Return Loss, Any Phase)			1	MHz
Operating Temperature Range	-40		85	°C
Package Style		MINI-16		

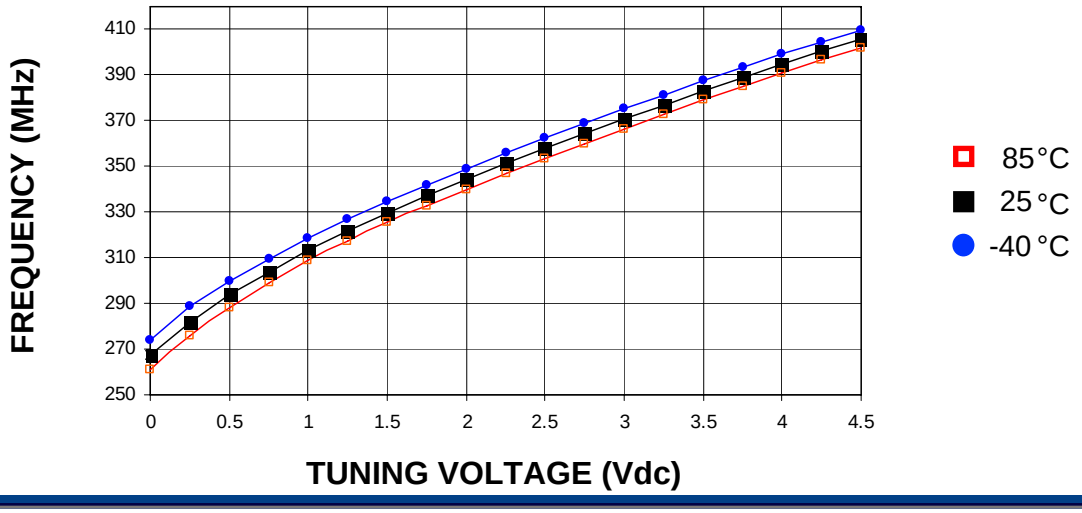
Power Supply Requirements	Min	Typ	Max	Units
Supply Voltage (Vcc, nom.)		5		Vdc
Supply Current (Icc)		13	16	mA

Additional Notes

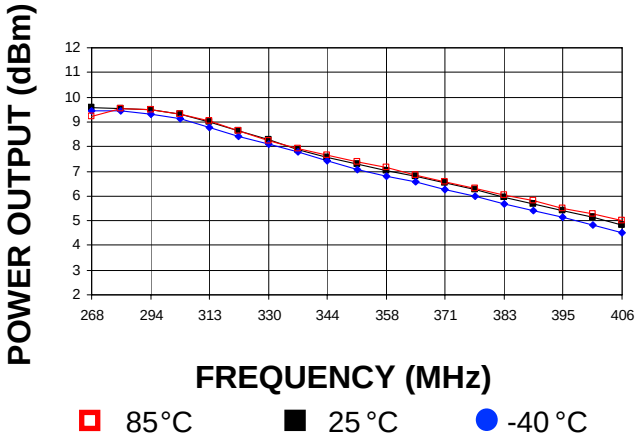
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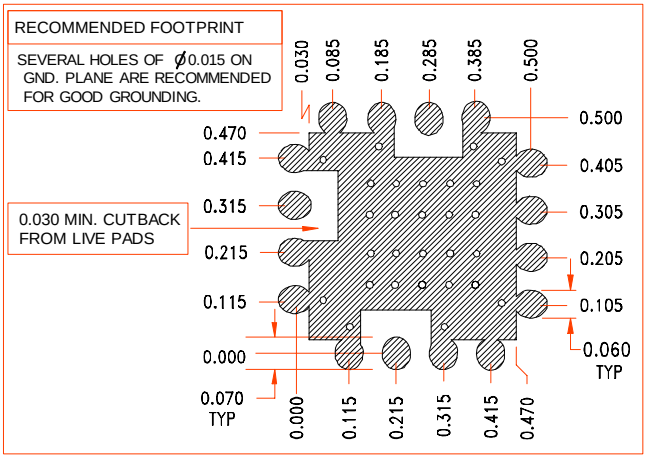
Tuning Curve, typ.



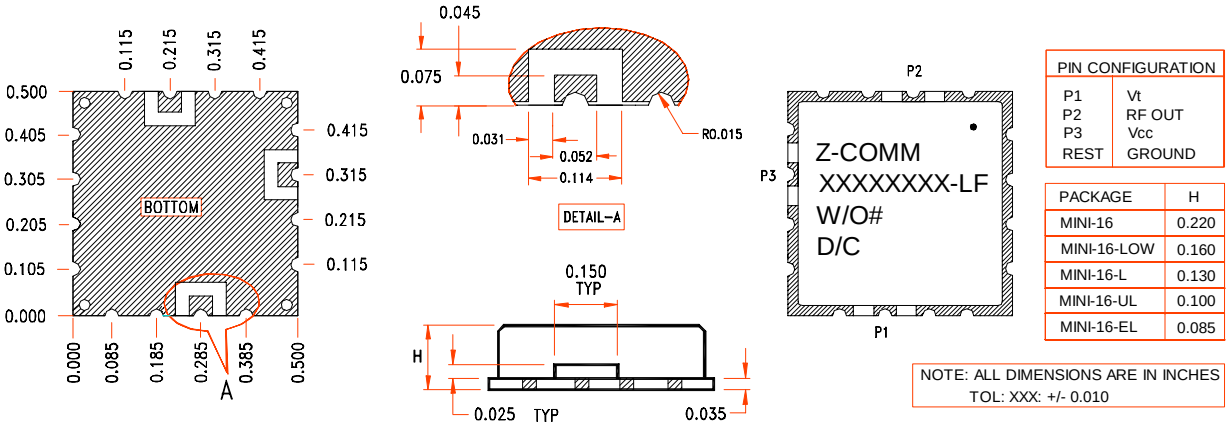
Power Curve, typ.



Footprint



Physical Dimensions



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