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Voltage-Controlled Oscillator Surface Mount Module

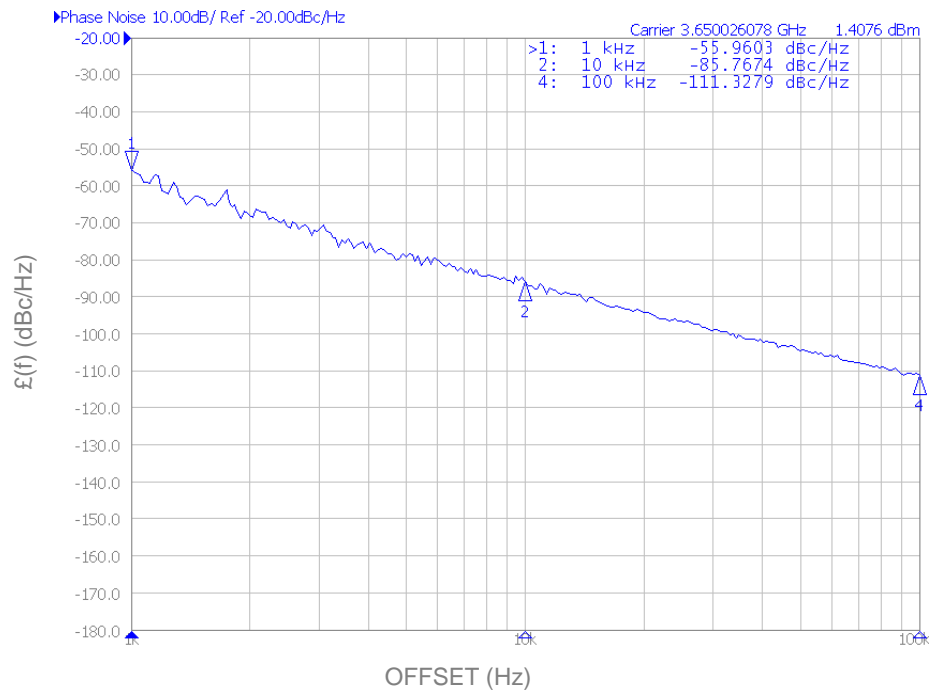
Applications

- Direct Broadcast
- Satellite Up/Down Conversion
- Microwave Radios

Application Notes

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

PHASE NOISE (1 Hz BW, typical)

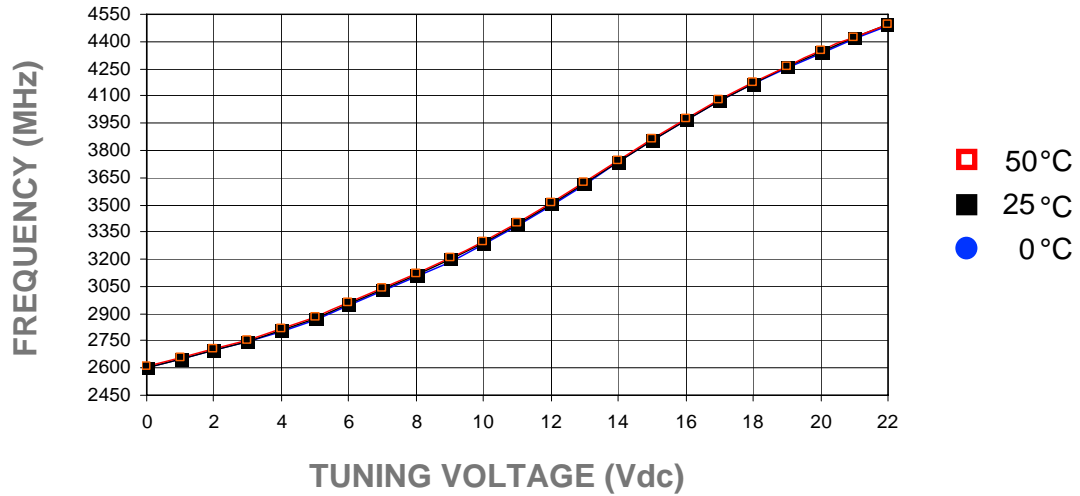


Performance Specifications	Min	Typ	Max	Units
Oscillation Frequency Range	2900		4400	MHz
Phase Noise @ 10 kHz offset (1 Hz BW)		-80		dBc/Hz
Harmonic Suppression (2nd)		-18	-8	dBc
Tuning Voltage	1		22	Vdc
Tuning Sensitivity (avg.)		90		MHz/V
Power Output	4	8	12	dBm
Load Impedance		50		Ω
Input Capacitance			50	pF
Pushing			8	MHz/V
Pulling (12 dB Return Loss, Any Phase)			26	MHz
Operating Temperature Range	0		50	$^{\circ}\text{C}$
Package Style	MINI-16-L			

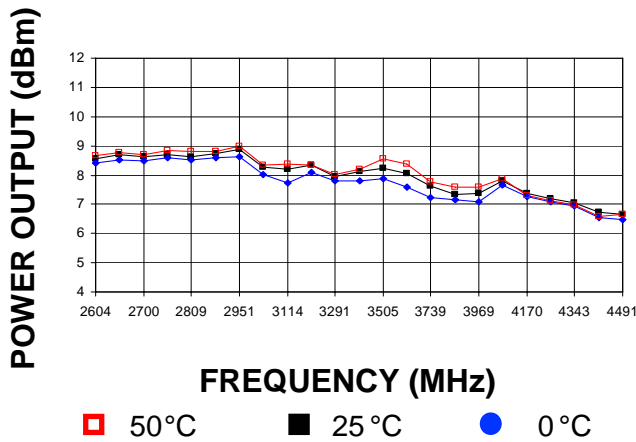
Power Supply Requirements	Min	Typ	Max	Units
Supply Voltage (Vcc, nom.)		8		Vdc
Supply Current (Icc)		26	30	mA

Additional Notes

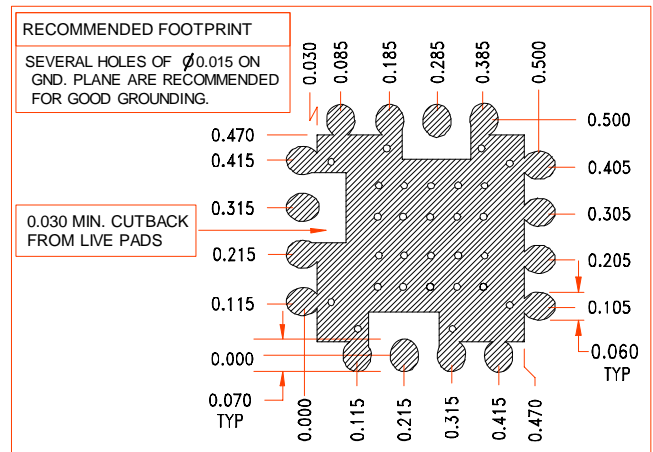
Tuning Curve, typ.



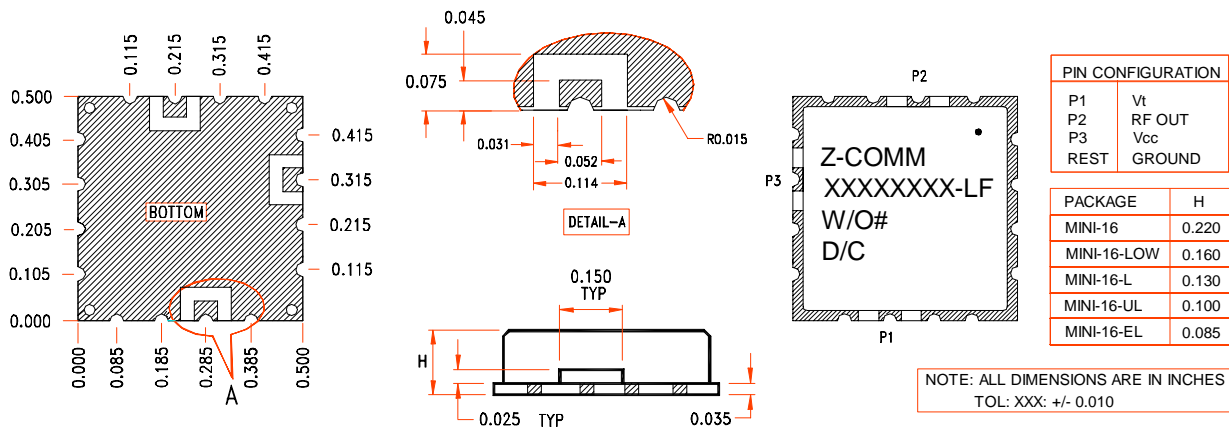
Power Curve, typ.



Footprint



Physical Dimensions



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