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Voltage-Controlled Oscillator Surface Mount Module

Applications

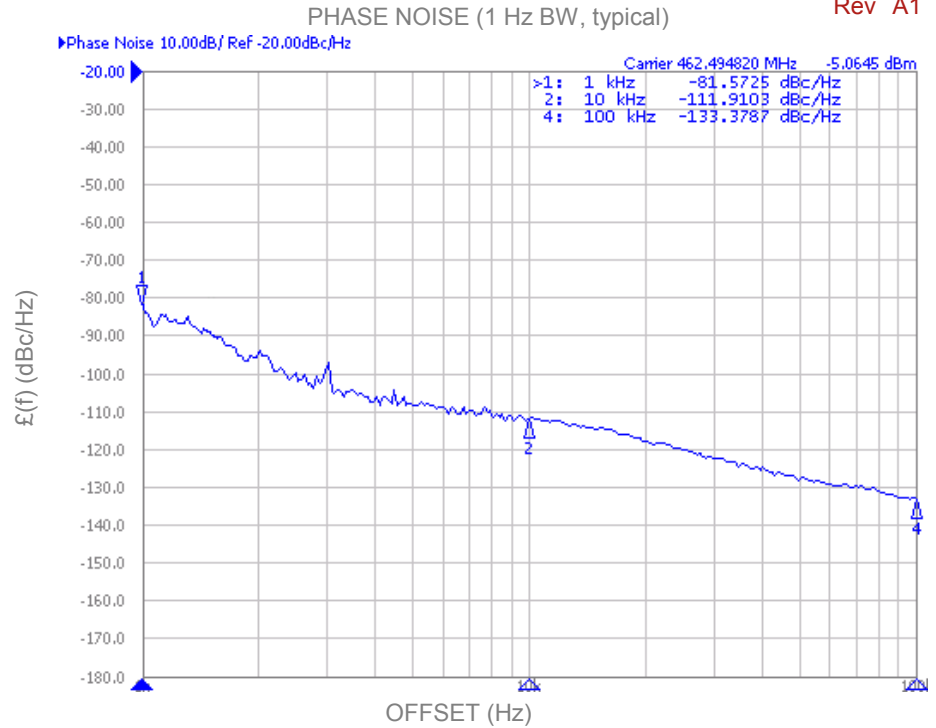
- Satellite Communication Systems
- UHF Radios
-

Application Notes

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

V480MEM2-LF

Rev A1

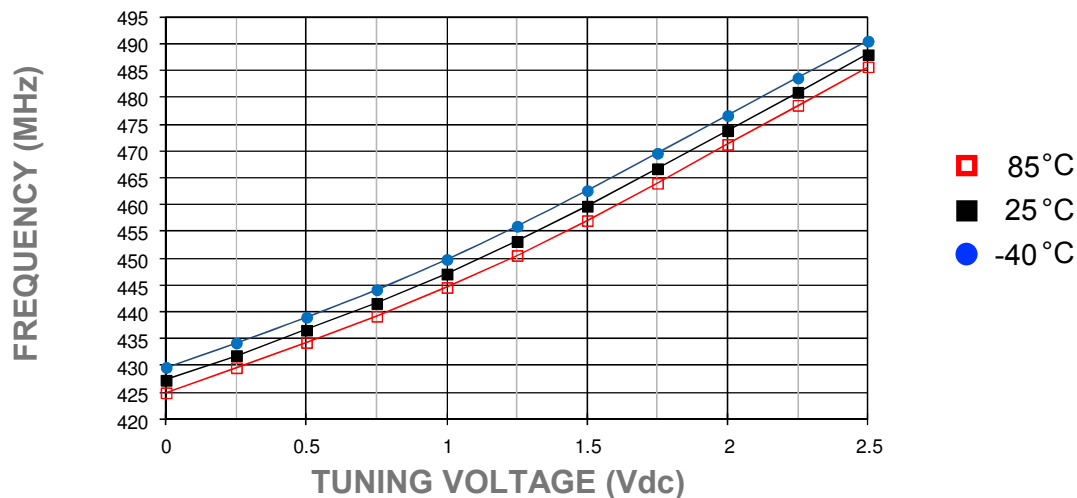


Performance Specifications	Min	Typ	Max	Units
Oscillation Frequency Range	445		480	MHz
Phase Noise @ 10 kHz offset (1 Hz BW)		-113		dBc/Hz
Harmonic Suppression (2nd)		-12	-11	dBc
Tuning Voltage	0.5		2.5	Vdc
Tuning Sensitivity (avg.)		25		MHz/V
Power Output	-3	0	3	dBm
Load Impedance		50		Ω
Input Capacitance			50	pF
Pushing			2	MHz/V
Pulling (12 dB Return Loss, Any Phase)			.5	MHz
Operating Temperature Range	-40		85	$^{\circ}\text{C}$
Package Style	MINI-16M-L			

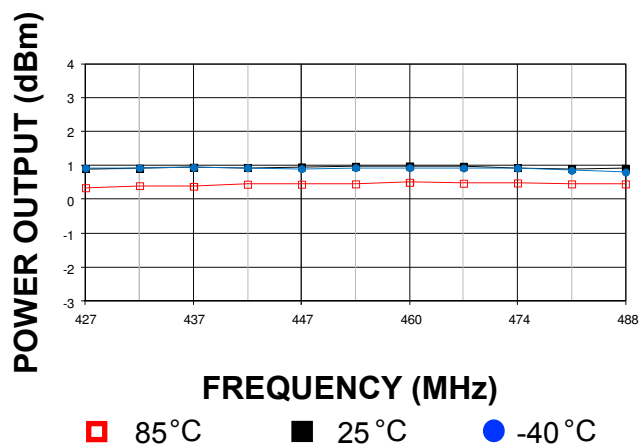
Power Supply Requirements	Min	Typ	Max	Units
Supply Voltage (Vcc, nom.)		3.3		Vdc
Supply Current (Icc)		12	14	mA

Additional Notes

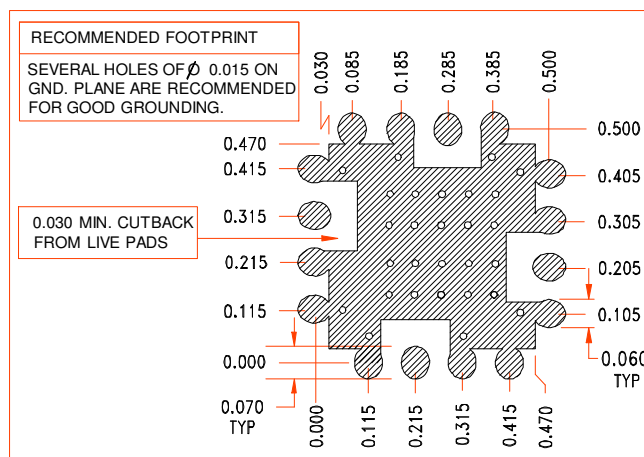
Tuning Curve, typ.



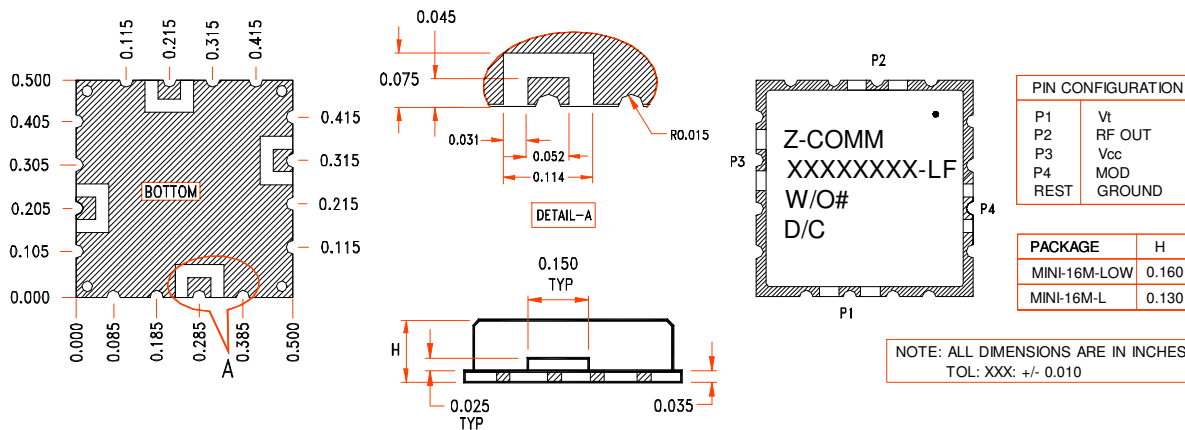
Power Curve, typ.



Footprint



Physical Dimensions



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