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Voltage-Controlled Oscillator Surface Mount Module

Applications

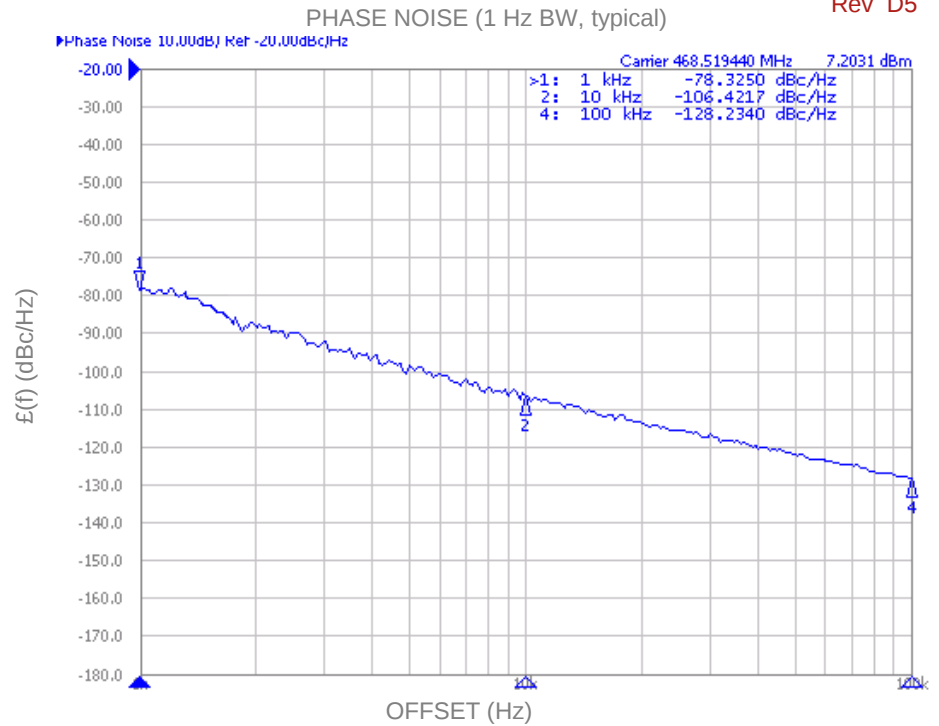
- CATV
- Portable Communications
- RF Modems

Application Notes

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

V637MC02-LF

Rev D5

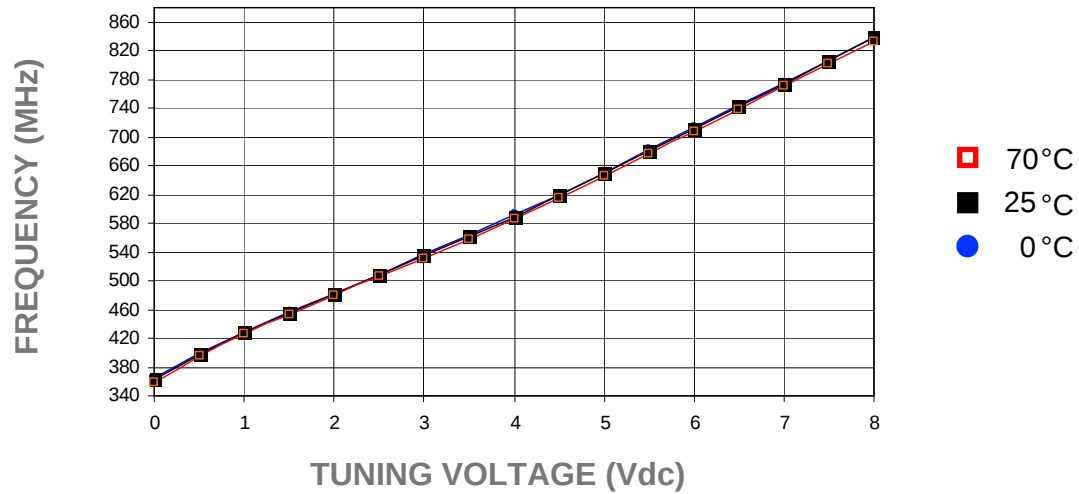


Performance Specifications	Min	Typ	Max	Units
Oscillation Frequency Range	465		810	MHz
Phase Noise @ 10 kHz offset (1 Hz BW)		-105		dBc/Hz
Harmonic Suppression (2nd)		-12		dBc
Tuning Voltage	0.5		8	Vdc
Tuning Sensitivity (avg.)		58		MHz/V
Power Output	7	10	13	dBm
Load Impedance		50		Ω
Input Capacitance			150	pF
Pushing			3	MHz/V
Pulling (14 dB Return Loss, Any Phase)			2	MHz
Operating Temperature Range	0		70	$^{\circ}\text{C}$
Package Style	MINI-14S-L			

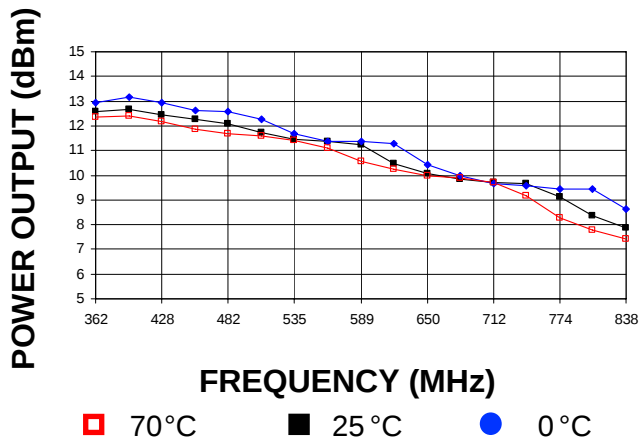
Power Supply Requirements	Min	Typ	Max	Units
Supply Voltage (Vcc, nom.)		12		Vdc
Supply Current (Icc)		25	30	mA

Additional Notes

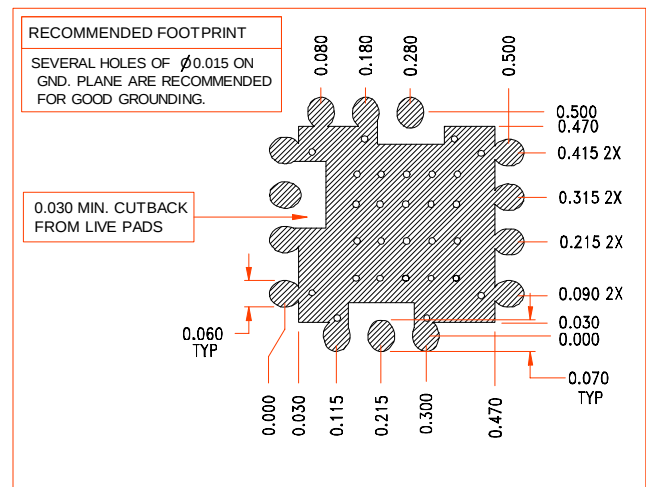
Tuning Curve, typ.



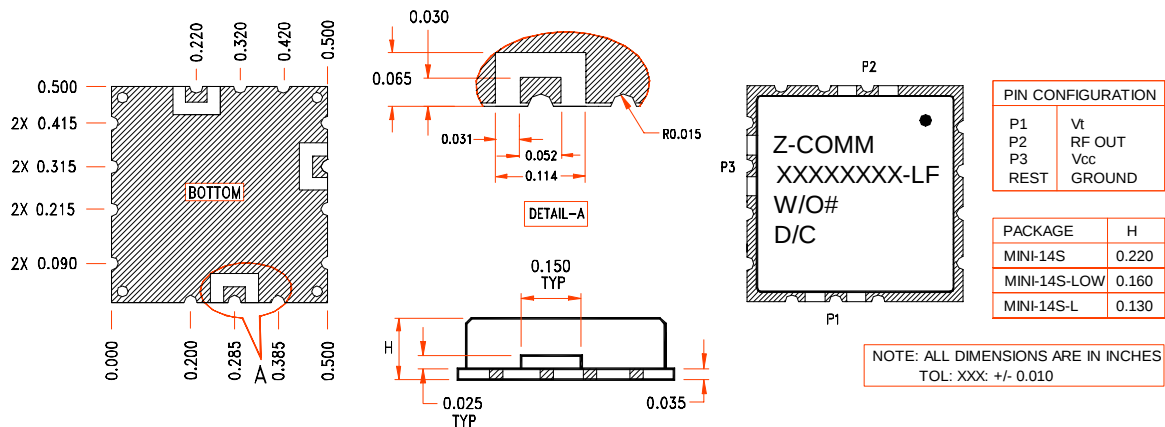
Power Curve, typ.



Footprint



Physical Dimensions



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