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Voltage-Controlled Oscillator Surface Mount Module

Applications

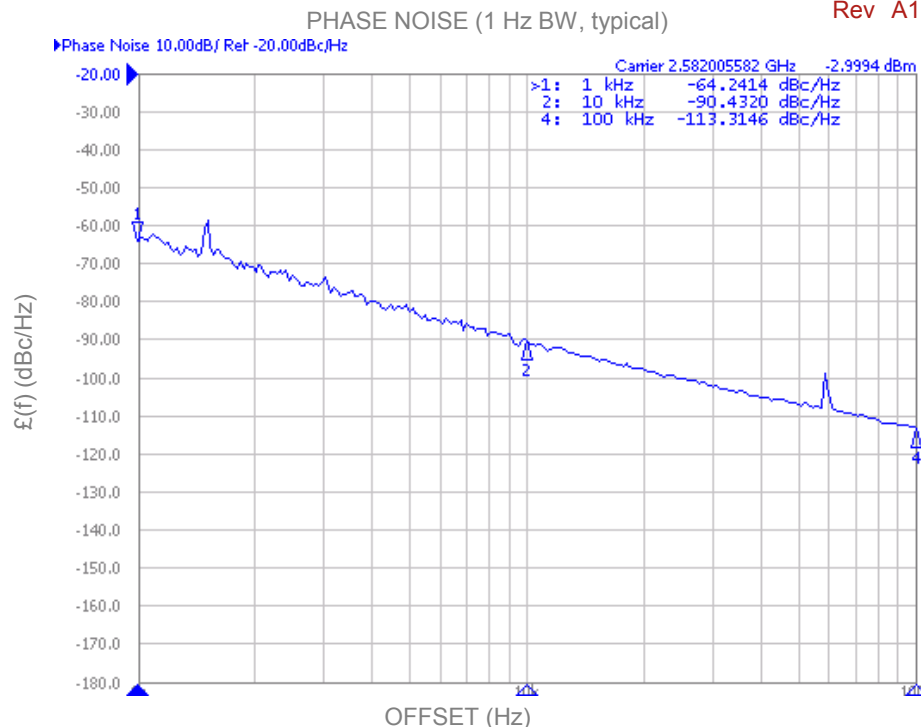
- Digital Radios
- Microwave Equipment
-

Application Notes

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

V674ME32-LF

Rev A1



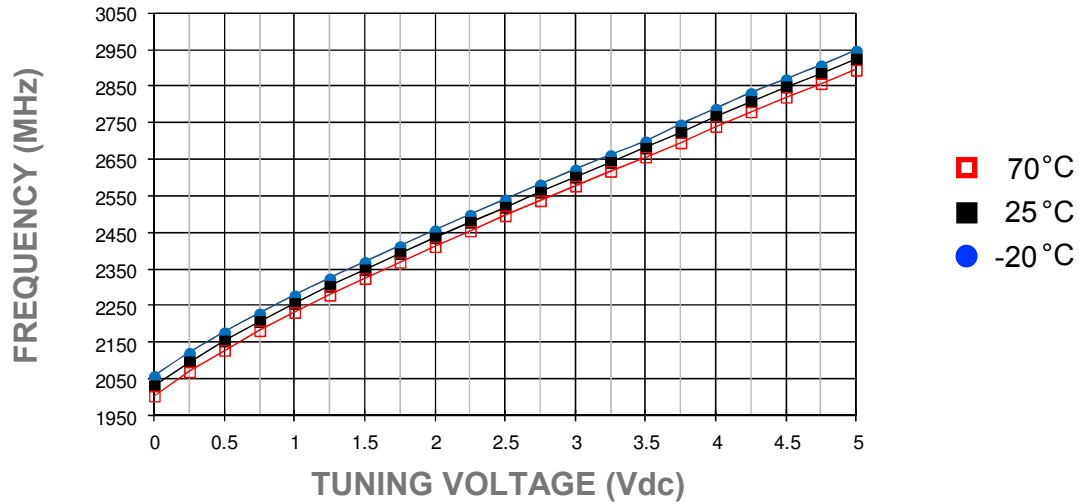
Performance Specifications	Min	Typ	Max	Units
Oscillation Frequency Range	2370		2794	MHz
Phase Noise @ 10 kHz offset (1 Hz BW)		-90		dBc/Hz
Harmonic Suppression (2nd)		-15	-13	dBc
Tuning Voltage	0.5		5	Vdc
Tuning Sensitivity (avg.)		165		MHz/V
Power Output	-1	2	5	dBm
Load Impedance		50		Ω
Input Capacitance			50	pF
Pushing			7	MHz/V
Pulling (12 dB Return Loss, Any Phase)			9	MHz
Operating Temperature Range	-20		70	$^{\circ}\text{C}$
Package Style		MINI-14H		

Power Supply Requirements	Min	Typ	Max	Units
Supply Voltage (Vcc, nom.)		5		Vdc
Supply Current (Icc)		15	18	mA

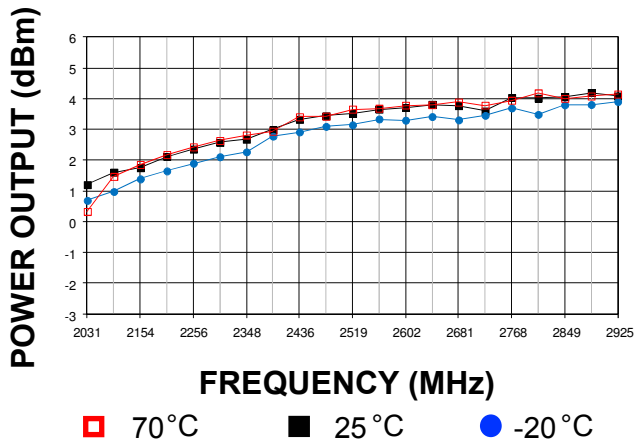
Additional Notes

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

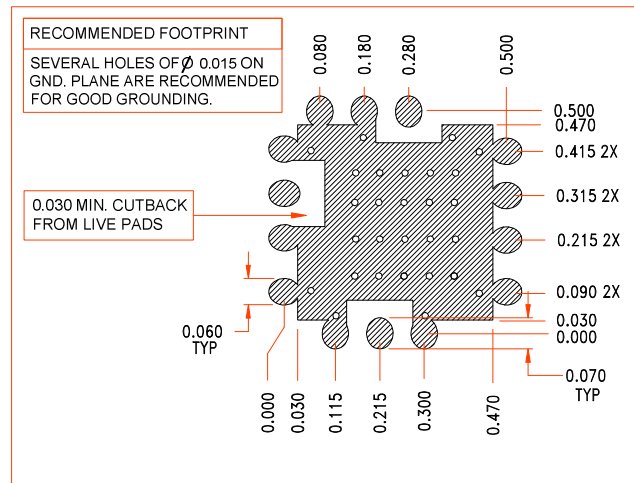
Tuning Curve, typ.



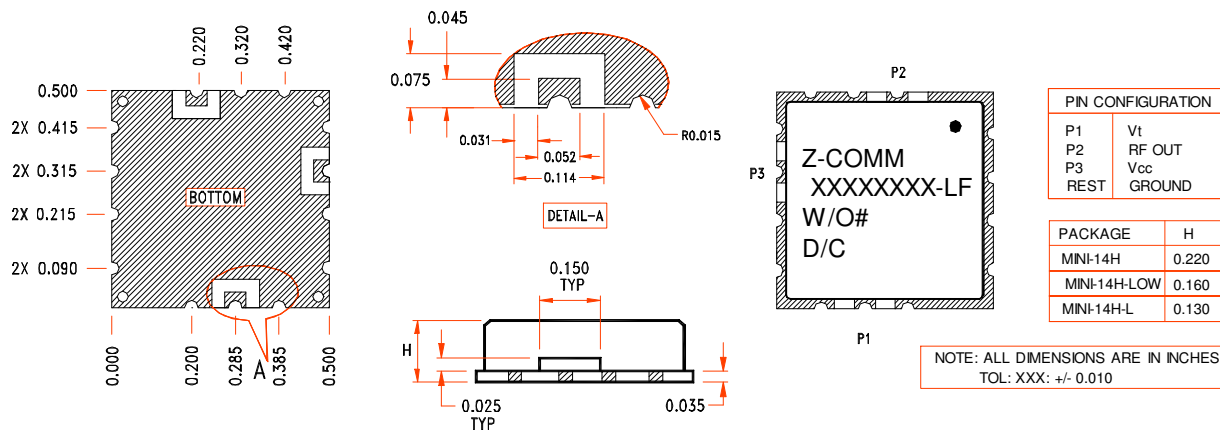
Power Curve, typ.



Footprint



Physical Dimensions



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