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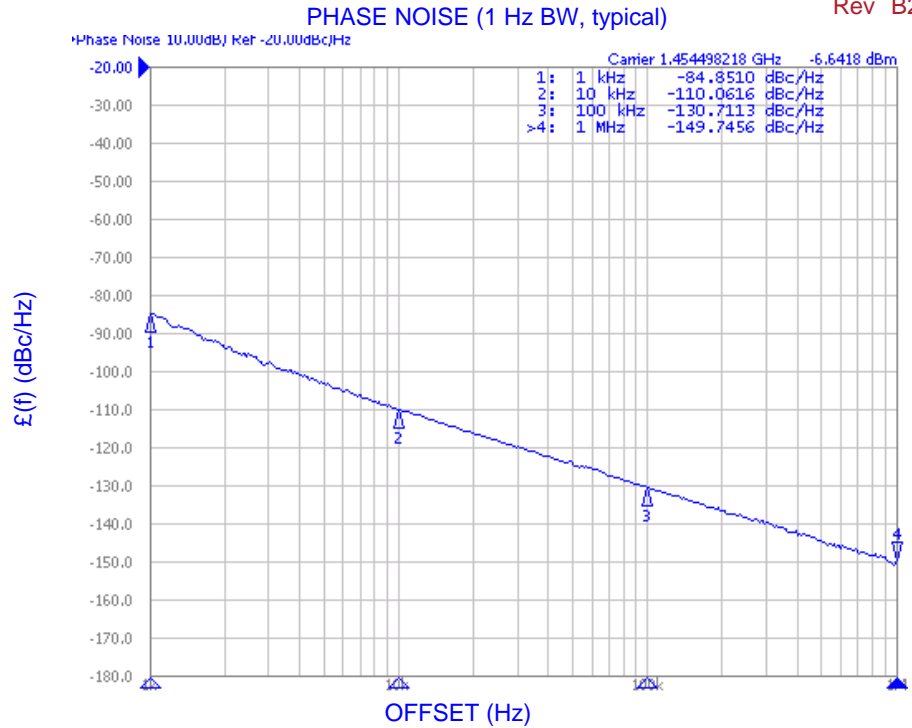
Voltage-Controlled Oscillator Surface Mount Module

Applications

- Wireless radios
- Mobile Communications
- Basestations

Application Notes

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



Performance Specifications

	Min	Typ	Max	Units
Oscillation Frequency Range	1440		1470	MHz
Phase Noise @ 10 kHz offset (1 Hz BW)		-110		dBc/Hz
Harmonic Suppression (2nd)		-27	-20	dBc
Tuning Voltage	1		5	Vdc
Tuning Sensitivity (avg.)		16		MHz/V
Power Output	-6.5	-2.5	1.5	dBm
Load Impedance		50		Ω
Input Capacitance			50	pF
Pushing			1	MHz/V
Pulling (14 dB Return Loss, Any Phase)			1	MHz
Operating Temperature Range	-40		85	$^{\circ}\text{C}$
Package Style	MINI-14MS			

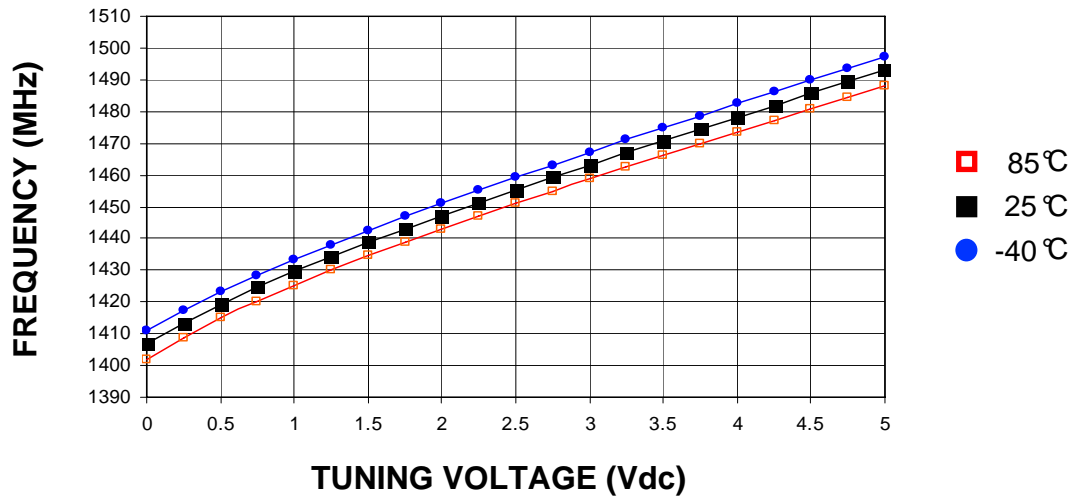
Power Supply Requirements

	Min	Typ	Max	Units
Supply Voltage (Vcc, nom.)		5		Vdc
Supply Current (Icc)		22	28	mA

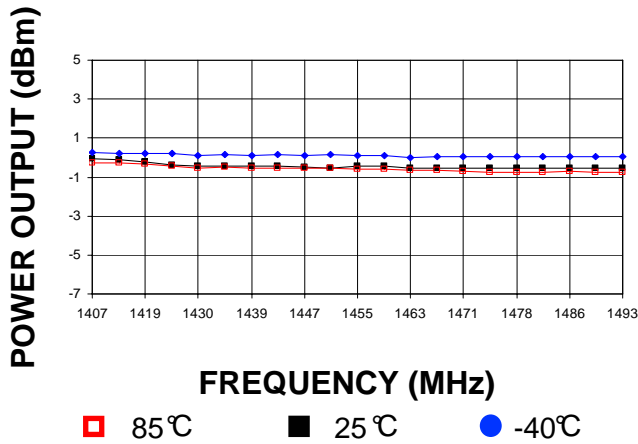
Additional Notes

Pin 4, Mod port is not used and could be grounded.

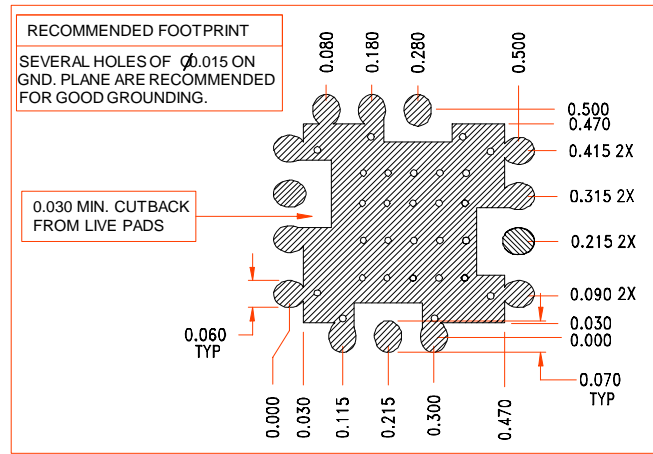
Tuning Curve, typ.



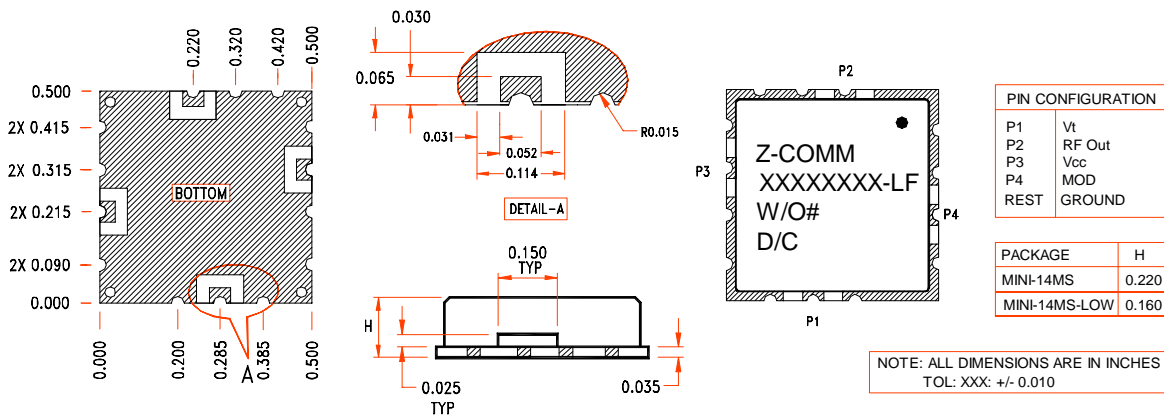
Power Curve, typ.



Footprint



Physical Dimensions



PIN CONFIGURATION	
P1	Vt
P2	RF Out
P3	Vcc
P4	MOD
REST	GROUND

PACKAGE	H
MINI-14MS	0.220
MINI-14MS-LOW	0.160

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