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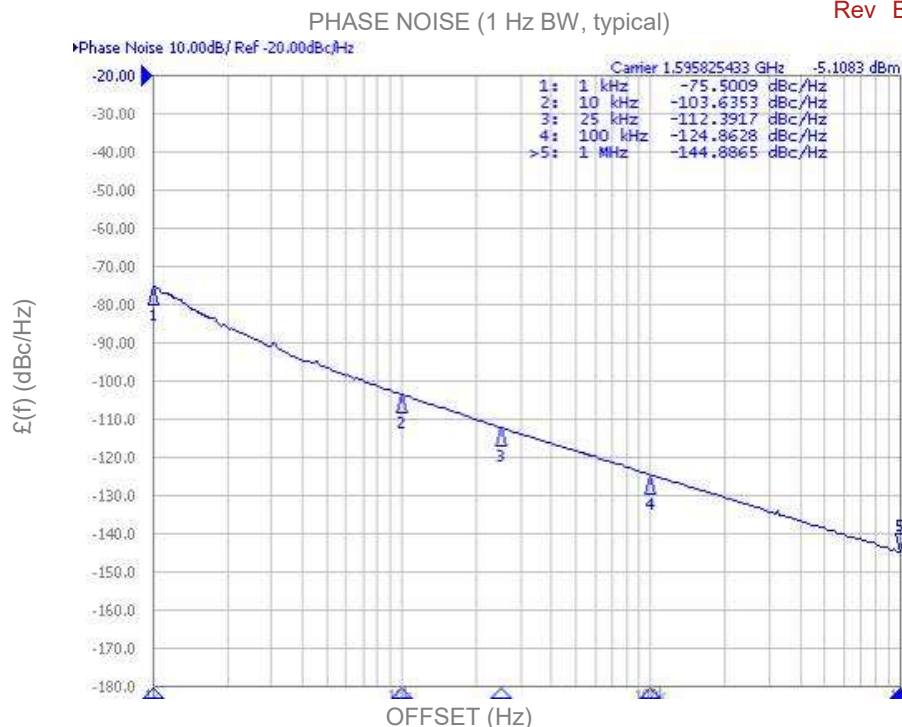
Voltage-Controlled Oscillator Surface Mount Module

Applications

WiMAX
 Mobile Communication Systems

Application Notes

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



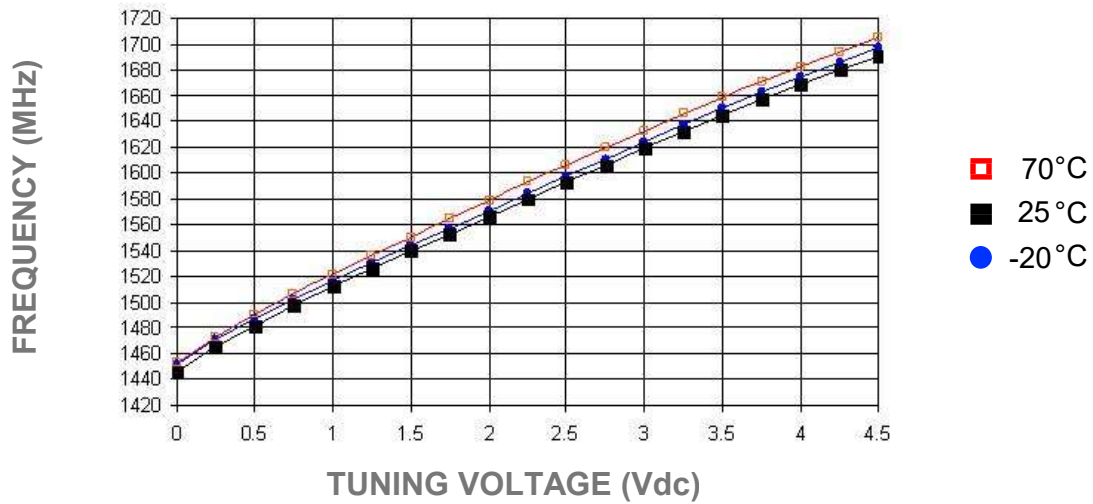
Performance Specifications	Min	Typ	Max	Units
Oscillation Frequency Range	1507		1685	MHz
Phase Noise @ 10 kHz offset (1 Hz BW)		-100		dBc/Hz
Harmonic Suppression (2nd)		-18	-17	dBc
Tuning Voltage	0.5		4.5	Vdc
Tuning Sensitivity (avg.)		42		MHz/V
Power Output	-2	1.5	5	dBm
Load Impedance		50		Ω
Input Capacitance			50	pF
Pushing			5	MHz/V
Pulling (12 dB Return Loss, Any Phase)			4	MHz
Operating Temperature Range	-20		70	$^{\circ}\text{C}$
Package Style	MINI-14MS			

Power Supply Requirements	Min	Typ	Max	Units
Supply Voltage (Vcc, nom.)		5		Vdc
Supply Current (Icc)		20	24	mA

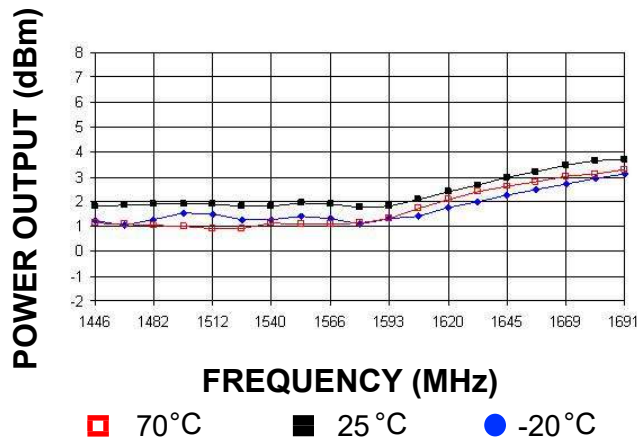
Additional Notes

Pin 4, MOD port is not used and could be connected to ground.

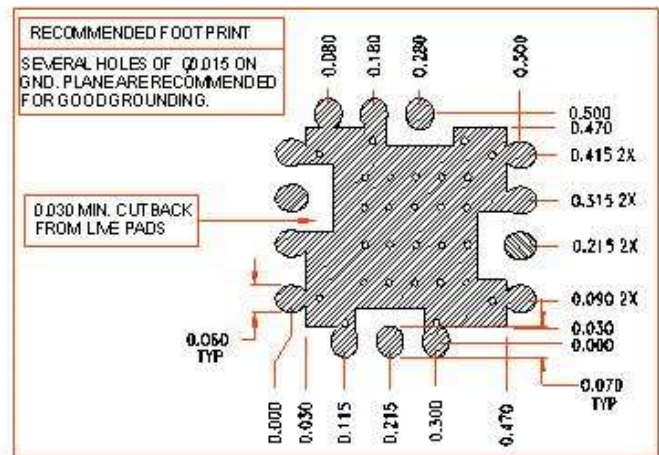
Tuning Curve, typ.



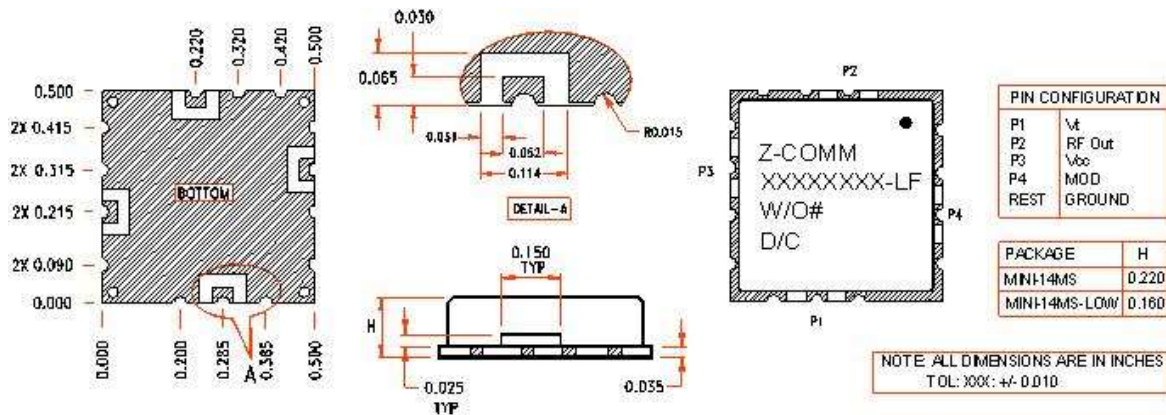
Power Curve, typ.



Footprint



Physical Dimensions



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