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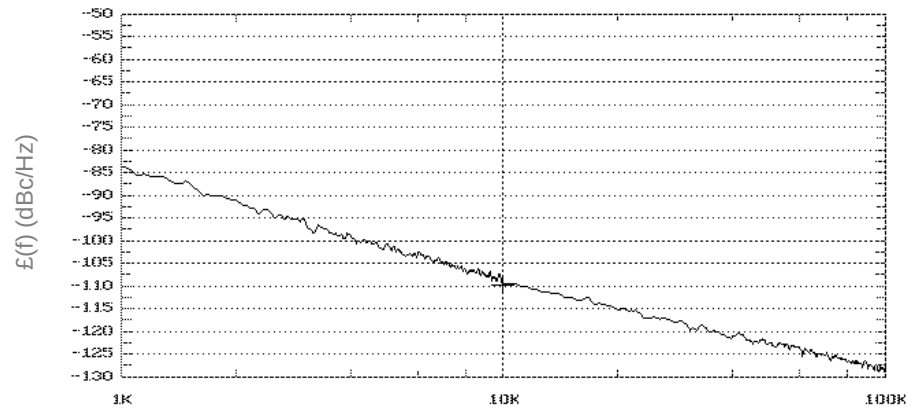
Voltage-Controlled Oscillator Surface Mount Module

Applications

- Earthstations
- RF Modems
- Test Instrumentation

Application Notes

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



OFFSET (Hz)

Performance Specifications

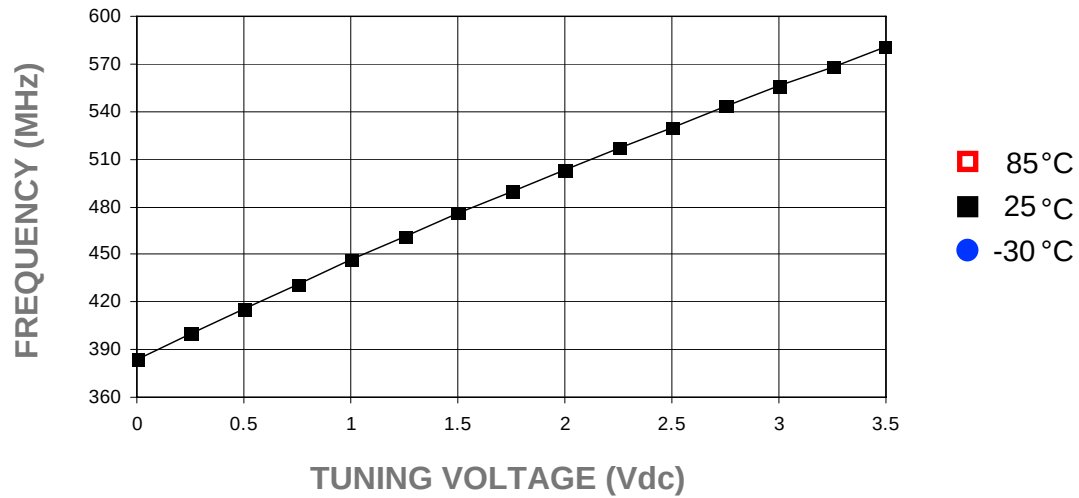
	Min	Typ	Max	Units
Oscillation Frequency Range	470		490	MHz
Phase Noise @ 10 kHz offset (1 Hz BW)		-104		dBc/Hz
Harmonic Suppression (2nd)		-5		dBc
Tuning Voltage	0.5		3.5	Vdc
Tuning Sensitivity (avg.)		58		MHz/V
Power Output	3	6.5	10	dBm
Load Impedance		50		Ω
Input Capacitance			100	pF
Pushing			2	MHz/V
Pulling (12 dB Return Loss, Any Phase)			1	MHz
Operating Temperature Range	-30		85	$^{\circ}\text{C}$
Package Style	MINI-14S-L			

Power Supply Requirements

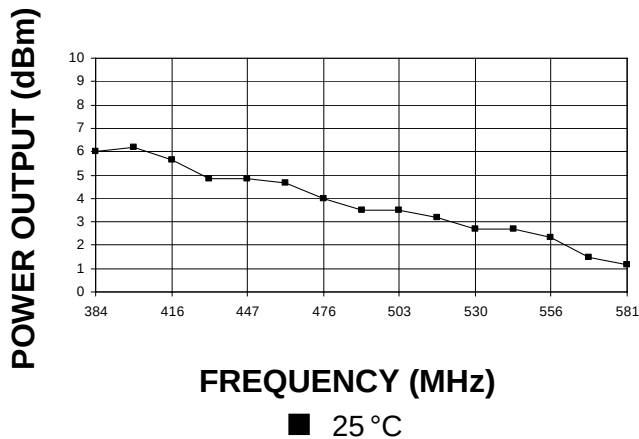
	Min	Typ	Max	Units
Supply Voltage (Vcc, nom.)		5		Vdc
Supply Current (Icc)		17	20	mA

Additional Notes

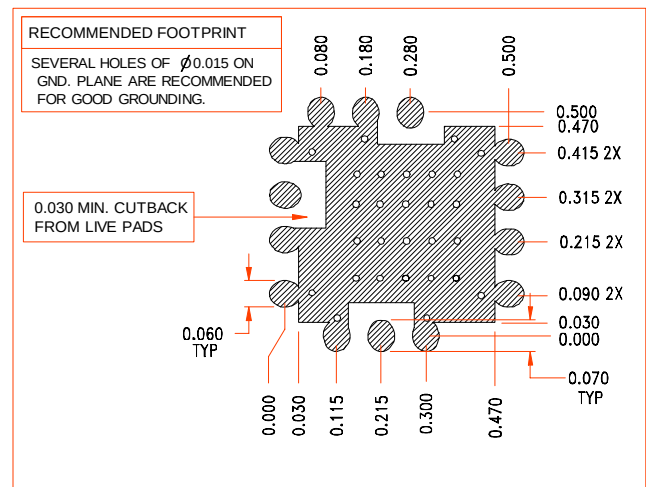
Tuning Curve, typ.



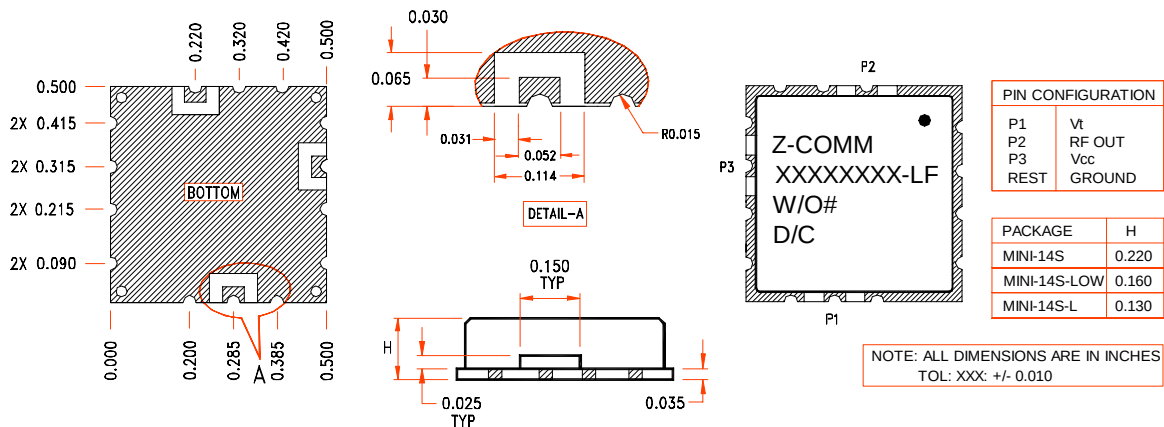
Power Curve, typ.



Footprint



Physical Dimensions



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