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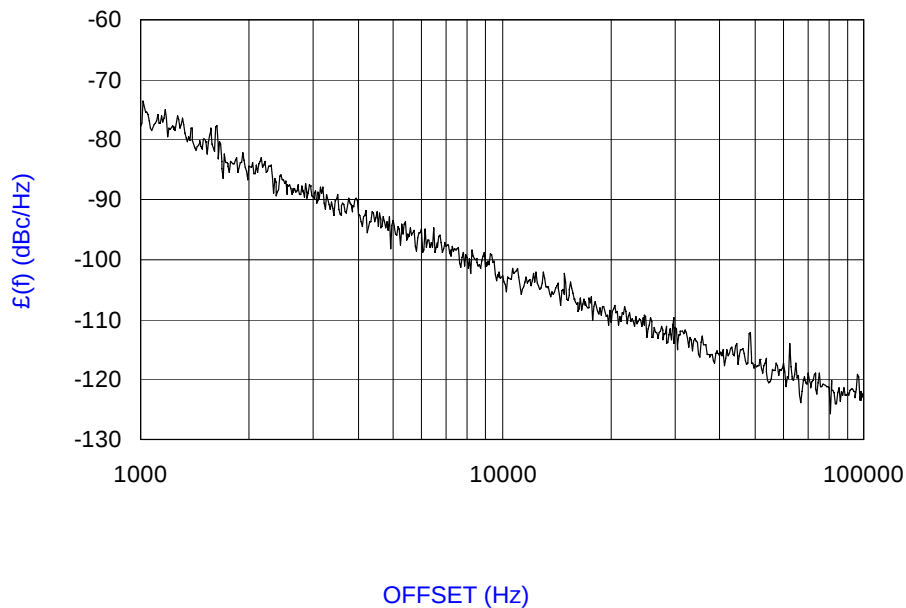
Voltage-Controlled Oscillator Surface Mount Module

Applications

- CATV Headend
- Test Equipment
- Downconvertors

Application Notes

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



Performance Specifications

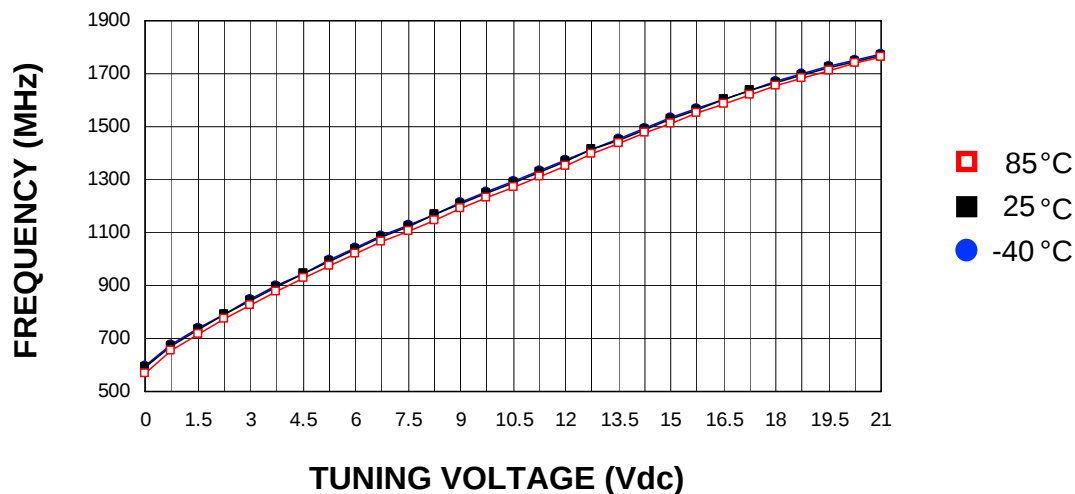
	Min	Typ	Max	Units
Oscillation Frequency Range	720		1750	MHz
Phase Noise @ 10 kHz offset (1 Hz BW)		-98		dBc/Hz
Harmonic Suppression (2nd)		-12		dBc
Tuning Voltage	0.75		21	Vdc
Tuning Sensitivity (avg.)		58		MHz/V
Power Output	2	5.5	9	dBm
Load Impedance		50		Ω
Input Capacitance			150	pF
Pushing			2	MHz/V
Pulling (14 dB Return Loss, Any Phase)			8	MHz
Operating Temperature Range	-40		85	$^{\circ}\text{C}$
Package Style	MINI-14S-L			

Power Supply Requirements

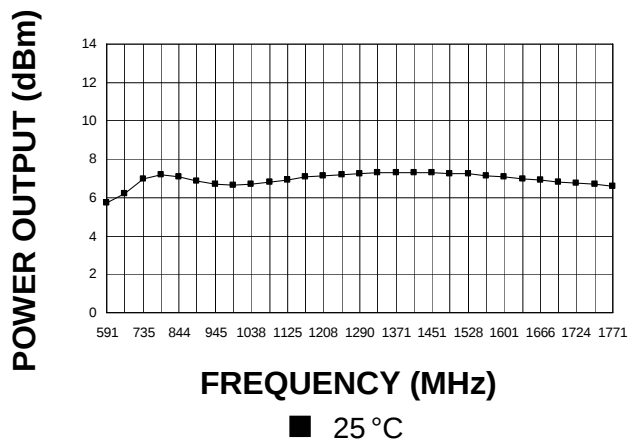
	Min	Typ	Max	Units
Supply Voltage (Vcc, nom.)		5		Vdc
Supply Current (Icc)		18	24	mA

Additional Notes

Tuning Curve, typ.



Power Curve, typ.

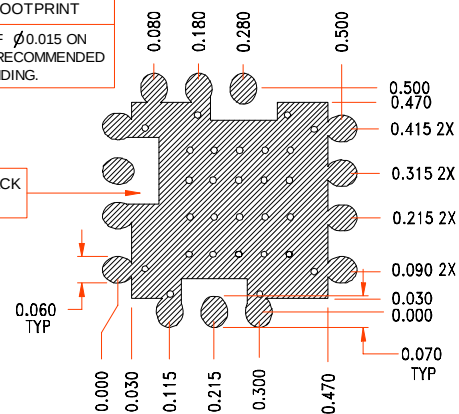


Footprint

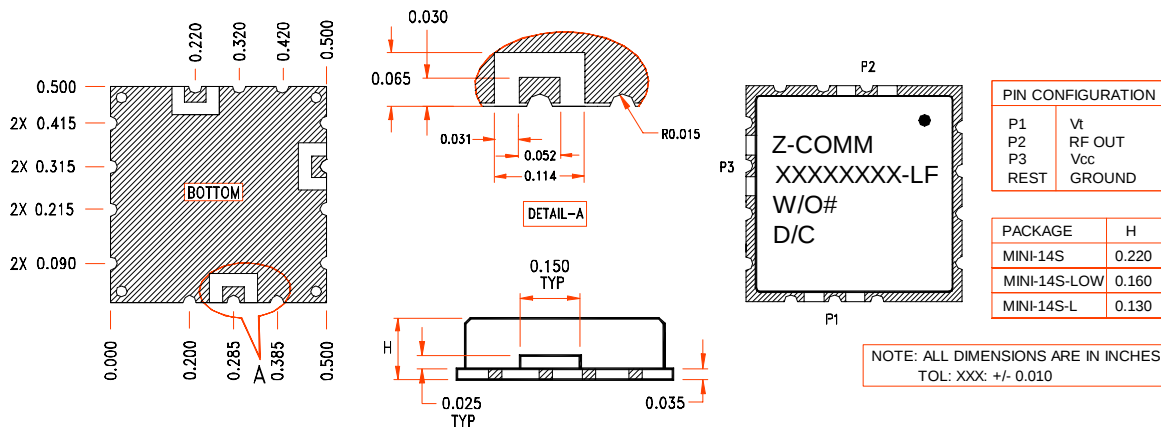
RECOMMENDED FOOTPRINT

SEVERAL HOLES OF $\phi 0.015$ ON GND. PLANE ARE RECOMMENDED FOR GOOD GROUNDING.

0.030 MIN. CUTBACK FROM LIVE PADS



Physical Dimensions



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