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Voltage-Controlled Oscillator Surface Mount Module

 $\mathcal{L}(f)$ (dBc/Hz)

Applications

- Test Equipment
- Satcom
- CATV Headend

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	800		1600	MHz
Phase Noise @ 10 kHz offset (1 Hz BW)		-103		dBc/Hz
Harmonic Suppression (2nd)		-5		dBc
Tuning Voltage	1		21	Vdc
Tuning Sensitivity (avg.)		60		MHz/V
Power Output	5	8	11	dBm
Load Impedance		50		Ω
Input Capacitance			100	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		

Power Supply Requirements	Min	Typ	Max	Units
Supply Voltage (Vcc, nom.)		11.5		Vdc
Supply Current (Icc)		16	19	mA

Additional Notes

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

Tuning Curve, typ.

FREQUENCY (MHz)

- 85 °C
- 25 °C
- -40 °C

TUNING VOLTAGE (Vdc)

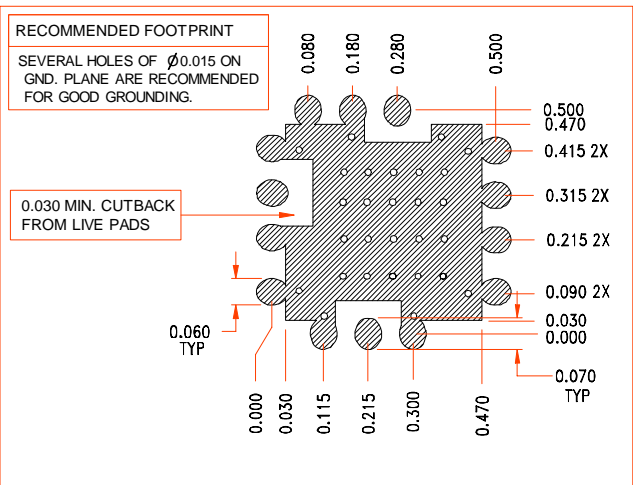
Power Curve, typ.

POWER OUTPUT (dBm)

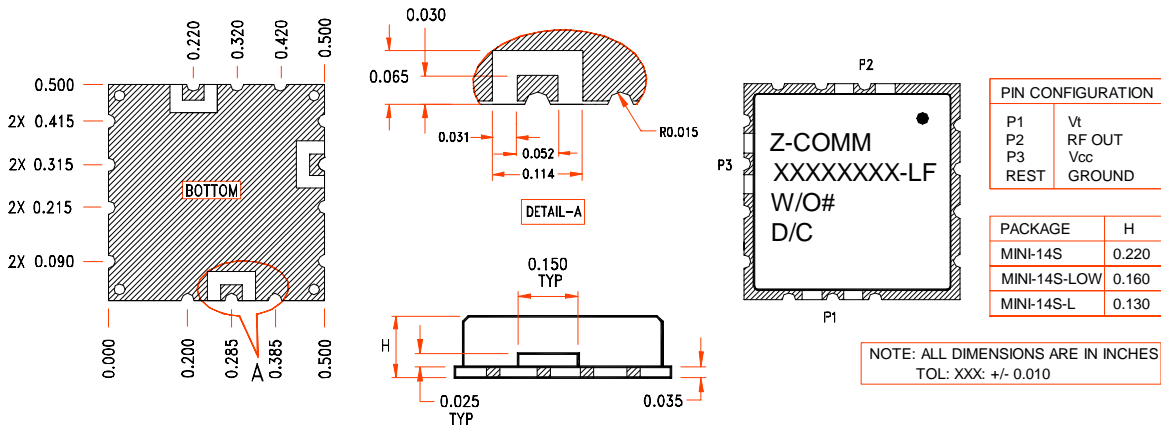
FREQUENCY (MHz)

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Footprint



Physical Dimensions



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