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Voltage-Controlled Oscillator Surface Mount Module

Applications

- Broadcast Communications
- Satellite Communications
- Earthstations

Application Notes

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



Performance Specifications

	Min	Typ	Max	Units
Oscillation Frequency Range	2800		3400	MHz
Phase Noise @ 10 kHz offset (1 Hz BW)		-85		dBc/Hz
Harmonic Suppression (2nd)		-10	-8	dBc
Tuning Voltage	2		20	Vdc
Tuning Sensitivity (avg.)		65		MHz/V
Power Output	4	7.25	10.5	dBm
Load Impedance		50		Ω
Input Capacitance			50	pF
Pushing			10	MHz/V
Pulling (14 dB Return Loss, Any Phase)			20	MHz
Operating Temperature Range	-30		75	$^{\circ}\text{C}$
Package Style	MINI-14H			

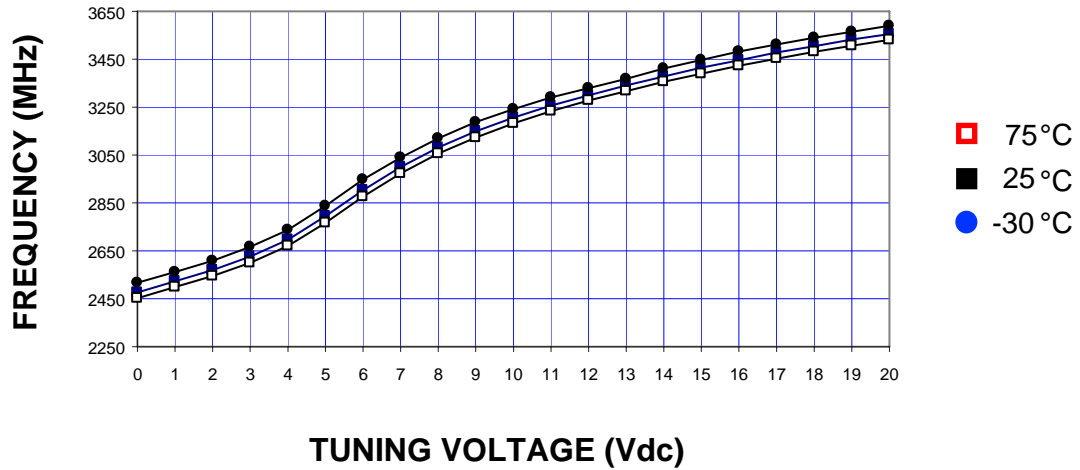
Power Supply Requirements

	Min	Typ	Max	Units
Supply Voltage (Vcc, nom.)		8		Vdc
Supply Current (Icc)		31	35	mA

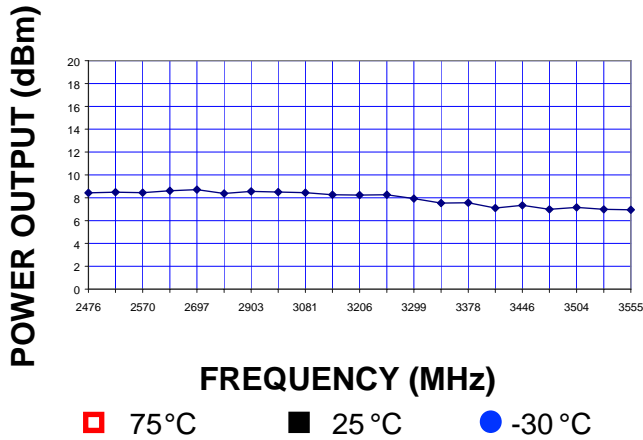
Additional Notes

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

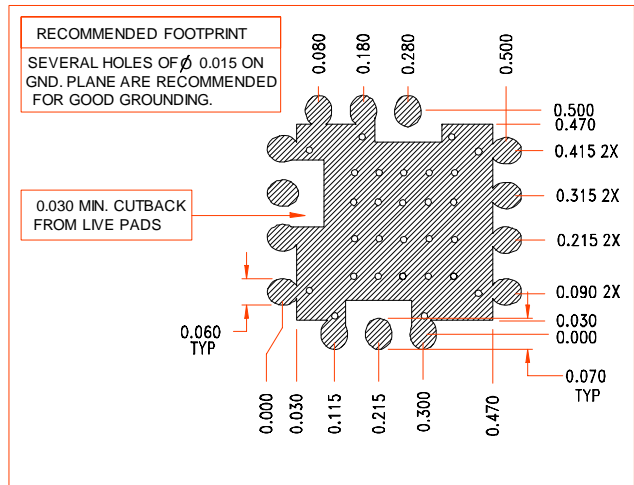
Tuning Curve, typ.



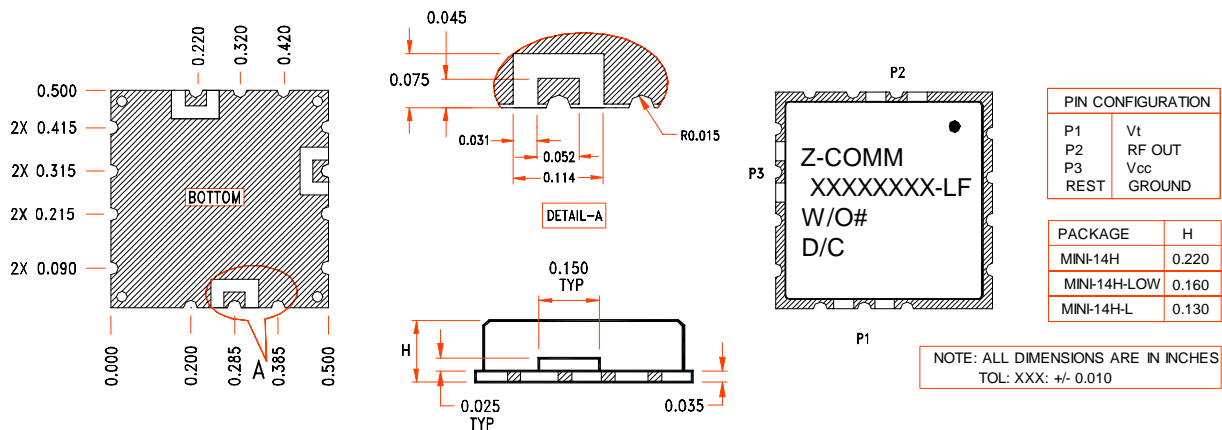
Power Curve, typ.



Footprint



Physical Dimensions



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