V613ME20-LF

Rev B2

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Voltage-Controlled Oscillator Surface Mount Module

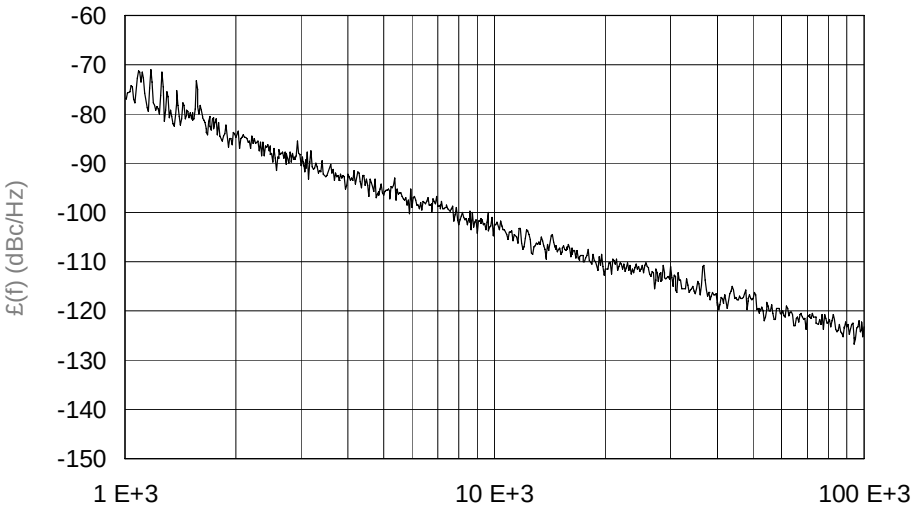
Applications

- Spread Spectrum Radios
- Earthstations
- Downconvertors

Application Notes

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

PHASE NOISE (1 Hz BW, typical)



Performance Specifications	Min	Typ	Max	Units
Oscillation Frequency Range	1785		1900	MHz
Phase Noise @ 10 kHz offset (1 Hz BW)		-103		dBc/Hz
Harmonic Suppression (2nd)		-30		dBc
Tuning Voltage	0.5		4.5	Vdc
Tuning Sensitivity (avg.)		49		MHz/V
Power Output	0	2.5	5	dBm
Load Impedance		50		Ω
Input Capacitance			50	pF
Pushing			2	MHz/V
Pulling (14 dB Return Loss, Any Phase)			7	MHz
Operating Temperature Range	-30		85	°C
Package Style		MINI-14S		

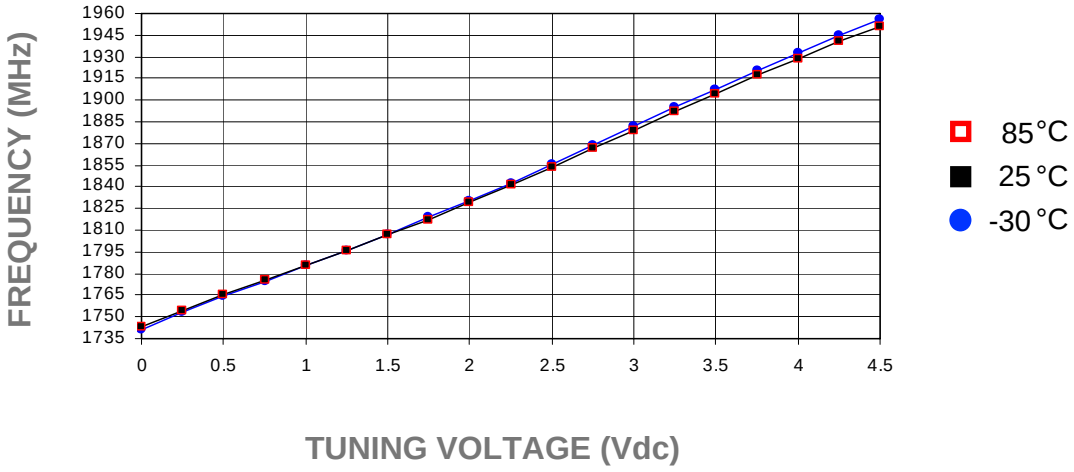
Power Supply Requirements	Min	Typ	Max	Units
Supply Voltage (Vcc, nom.)		4.75		Vdc
Supply Current (Icc)		17	20	mA

Additional Notes

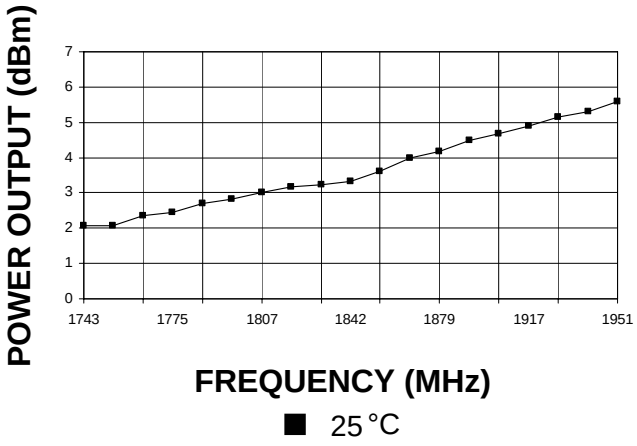
LFSuffix = RoHS Compliant. All specifications are subject to change without notice.

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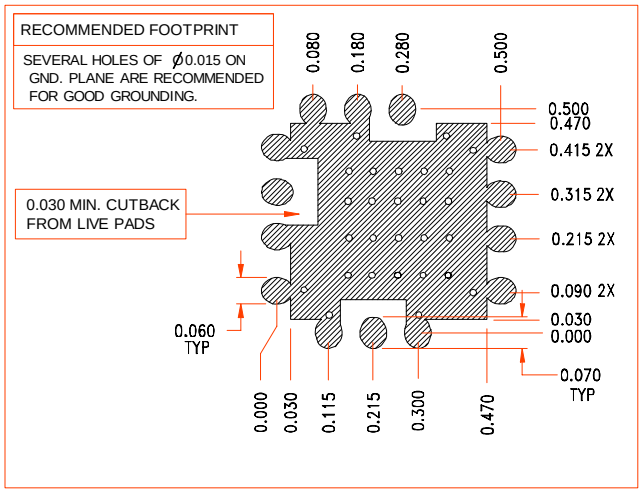
Tuning Curve, typ.



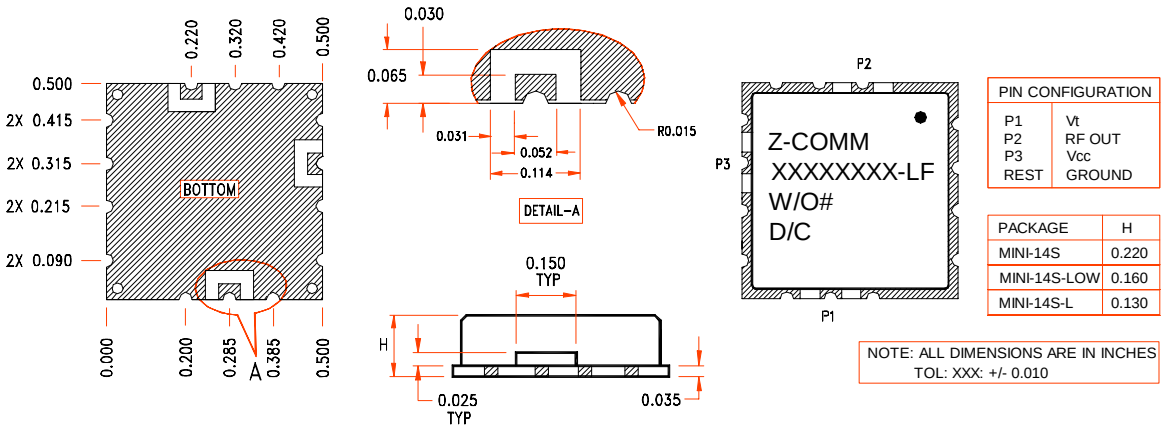
Power Curve, typ.



Footprint



Physical Dimensions



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