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### Voltage-Controlled Oscillator Surface Mount Module

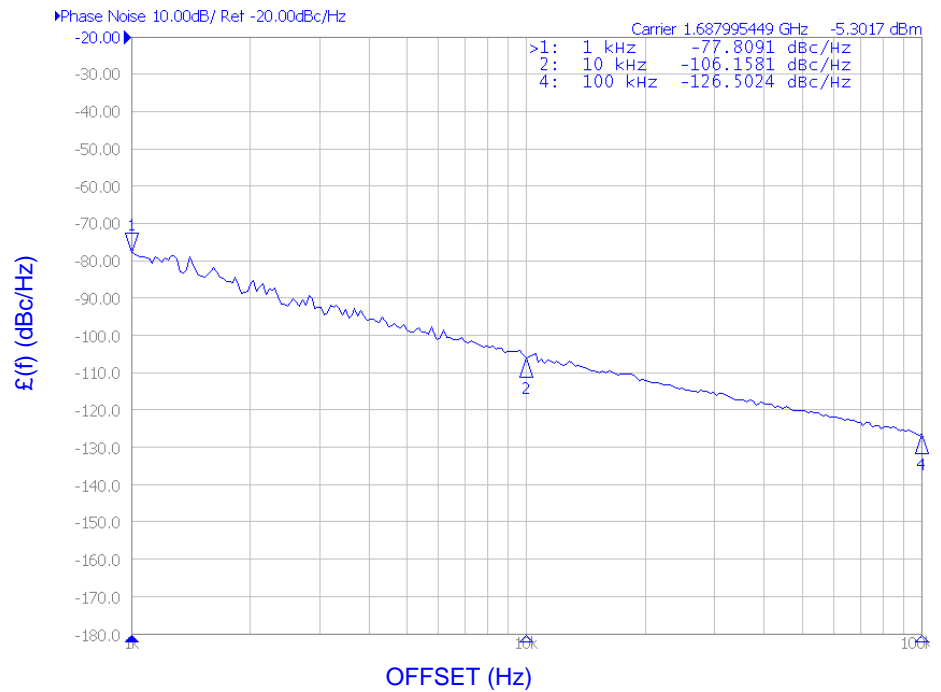
#### Applications

- Earthstations
- Satellite Modems
- Handheld Phones

#### 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	1658		1718	MHz
Phase Noise @ 10 kHz offset (1 Hz BW)		-106		dBc/Hz
Harmonic Suppression (2nd)		-23	-21	dBc
Tuning Voltage	1		4	Vdc
Tuning Sensitivity (avg.)		38		MHz/V
Power Output	-3	.25	3.5	dBm
Load Impedance		50		$\Omega$
Input Capacitance			50	pF
Pushing			5	MHz/V
Pulling (14 dB Return Loss, Any Phase)			5	MHz
Operating Temperature Range	-40		85	$^{\circ}\text{C}$
Package Style	MINI-14MS			

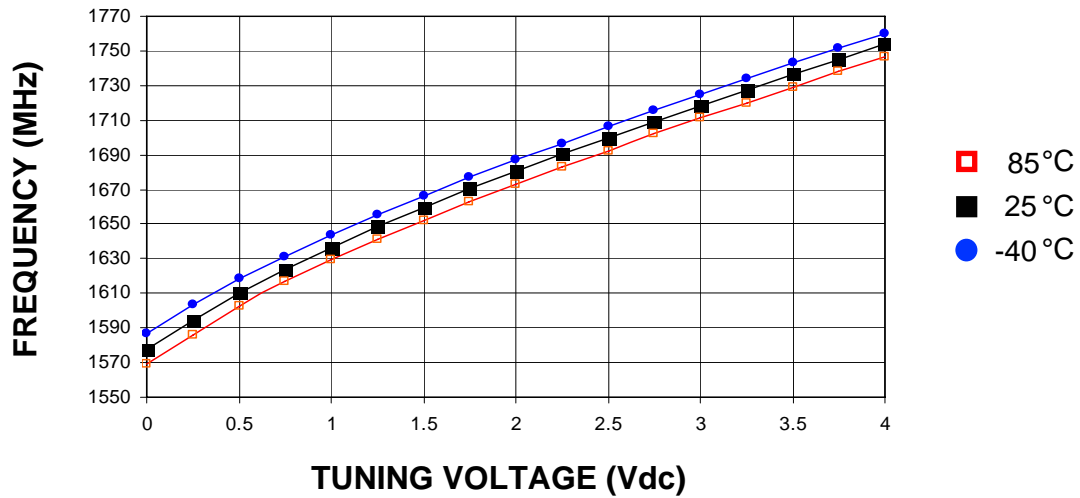
#### Power Supply Requirements

	Min	Typ	Max	Units
Supply Voltage (Vcc, nom.)		5		Vdc
Supply Current (Icc)		22	27	mA

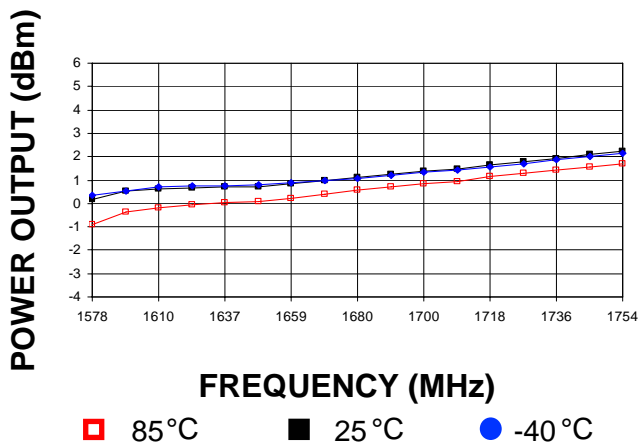
#### Additional Notes

**PIN 4 (MOD) is no connect or ground.**

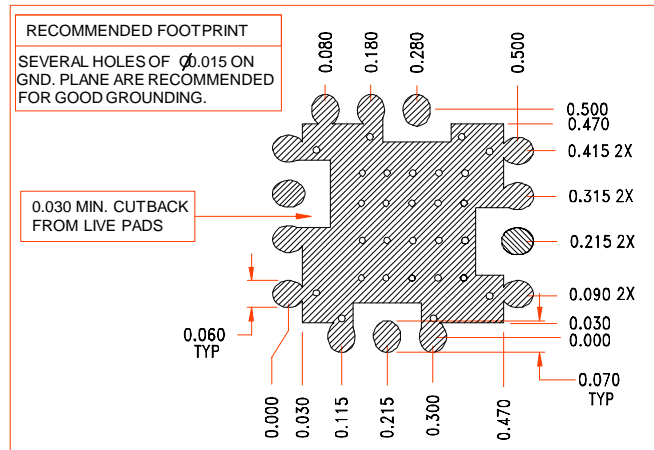
Tuning Curve, typ.



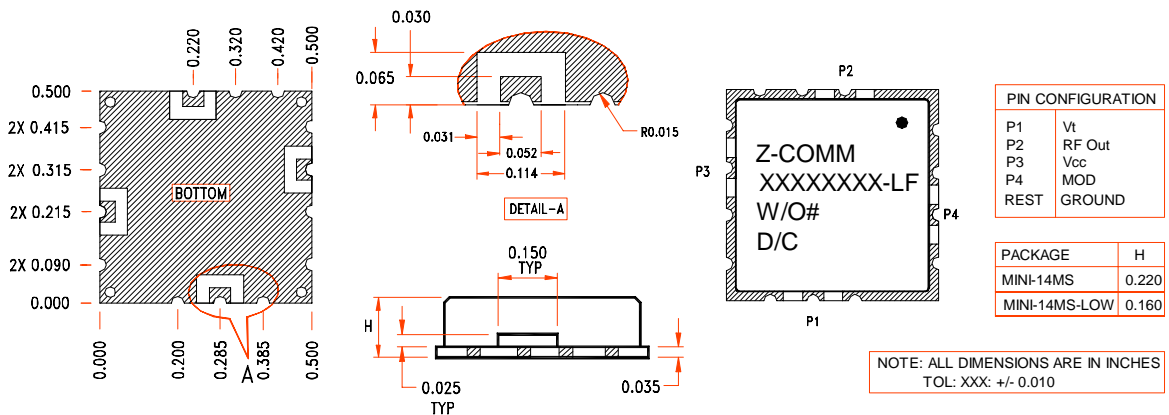
Power Curve, typ.



Footprint



Physical Dimensions



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