

## PHASE NOISE (1 Hz BW, typical)

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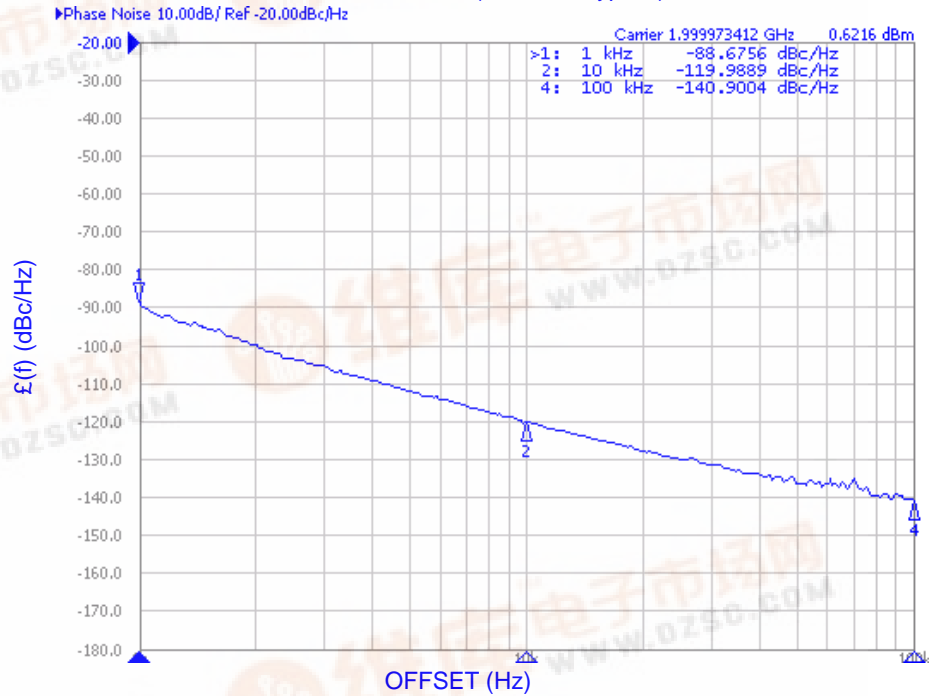
### Voltage-Controlled Oscillator Surface Mount Module

#### Applications

- Fixed Wireless Access
- Satellite Communications
- 

#### Application Notes

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



#### Performance Specifications

	Min	Typ	Max	Units
Oscillation Frequency Range	1999		2001	MHz
Phase Noise @ 10 kHz offset (1 Hz BW)		-115		dBc/Hz
Harmonic Suppression (2nd)		-15	-11	dBc
Tuning Voltage	.5		4.5	Vdc
Tuning Sensitivity (avg.)		9		MHz/V
Power Output	2	5	8	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-16-SM		

#### Power Supply Requirements

	Min	Typ	Max	Units
Supply Voltage (Vcc, nom.)		5		Vdc
Supply Current (Icc)		21	25	mA

#### Additional Notes

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

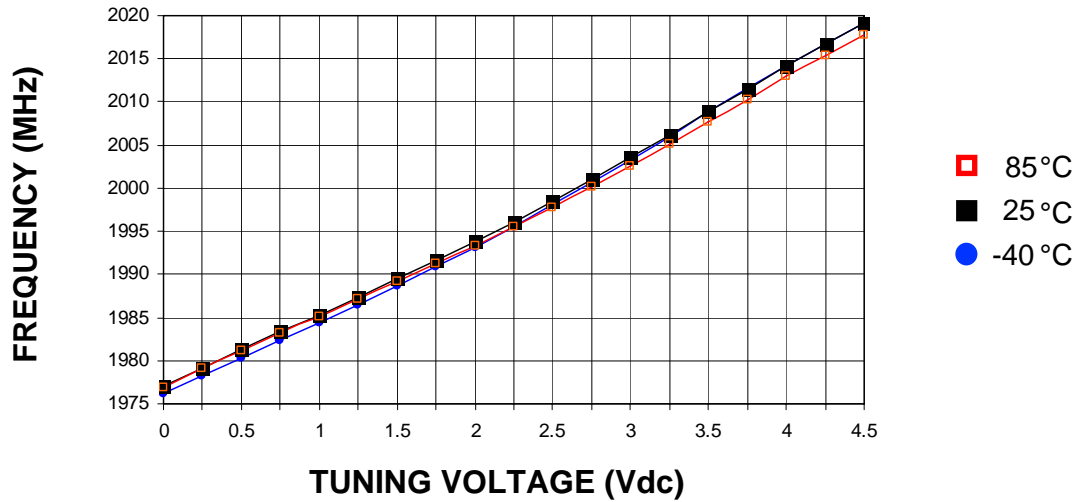
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Page 1 of 2

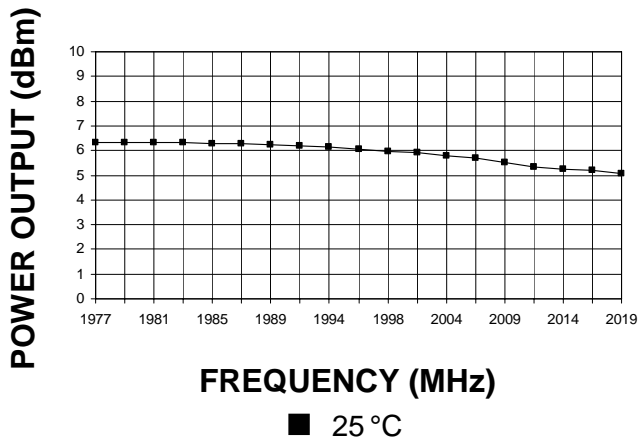
FRM-S-002 B



Tuning Curve, typ.



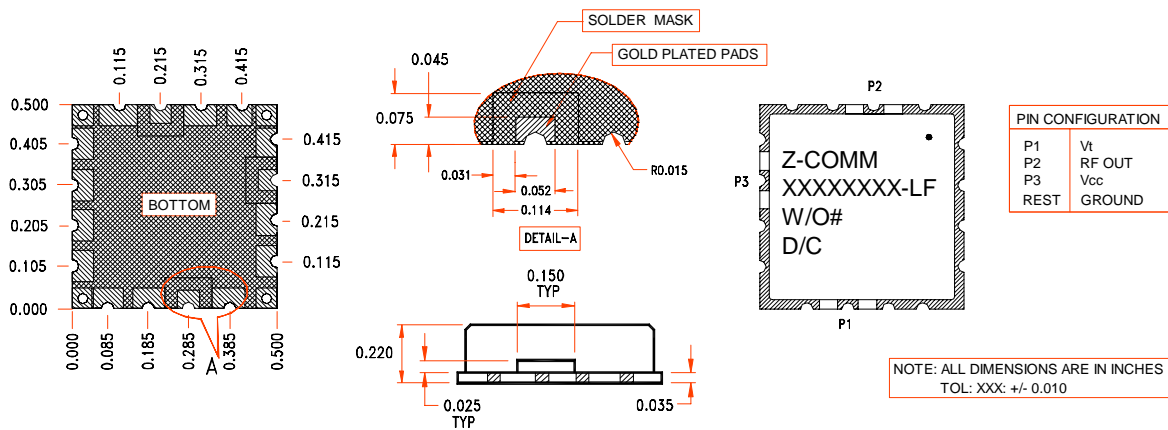
Power Curve, typ.



Footprint



Physical Dimensions



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