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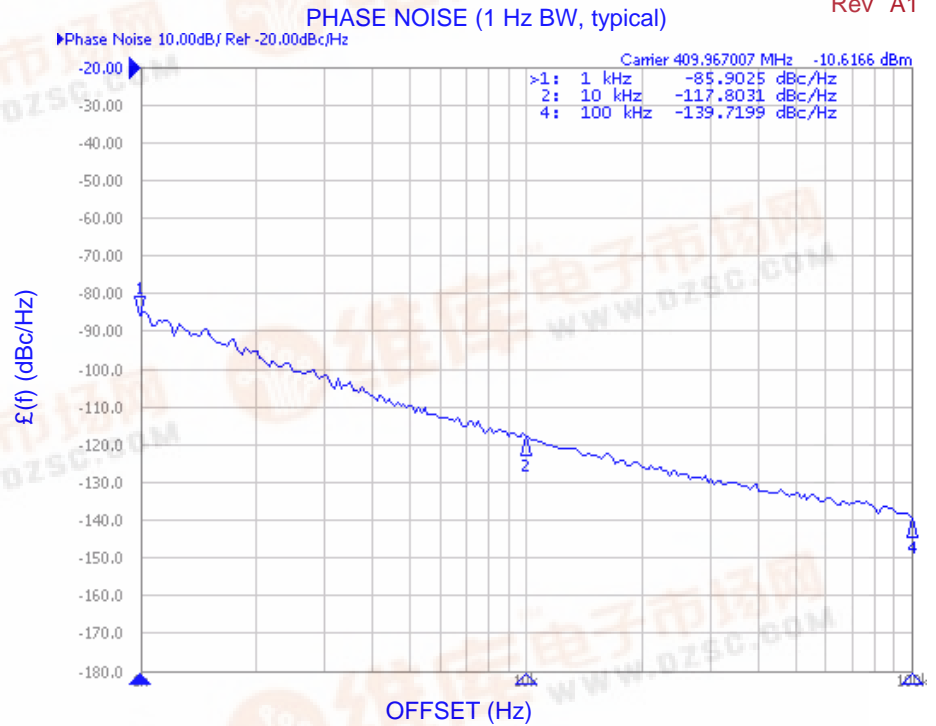
Voltage-Controlled Oscillator Surface Mount Module

Applications

- Mobile Radio
- VHF Radio
-

Application Notes

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



Performance Specifications

	Min	Typ	Max	Units
Oscillation Frequency Range	390		430	MHz
Phase Noise @ 10 kHz offset (1 Hz BW)		-117		dBc/Hz
Harmonic Suppression (2nd)		-15	-13	dBc
Tuning Voltage	.5		4.5	Vdc
Tuning Sensitivity (avg.)		17		MHz/V
Power Output	-7	-4	-1	dBm
Load Impedance		50		Ω
Input Capacitance			47	pF
Pushing			.5	MHz/V
Pulling (14 dB Return Loss, Any Phase)			.1	MHz
Operating Temperature Range	-30		70	$^{\circ}\text{C}$
Package Style		MINI-16-SM		

Power Supply Requirements

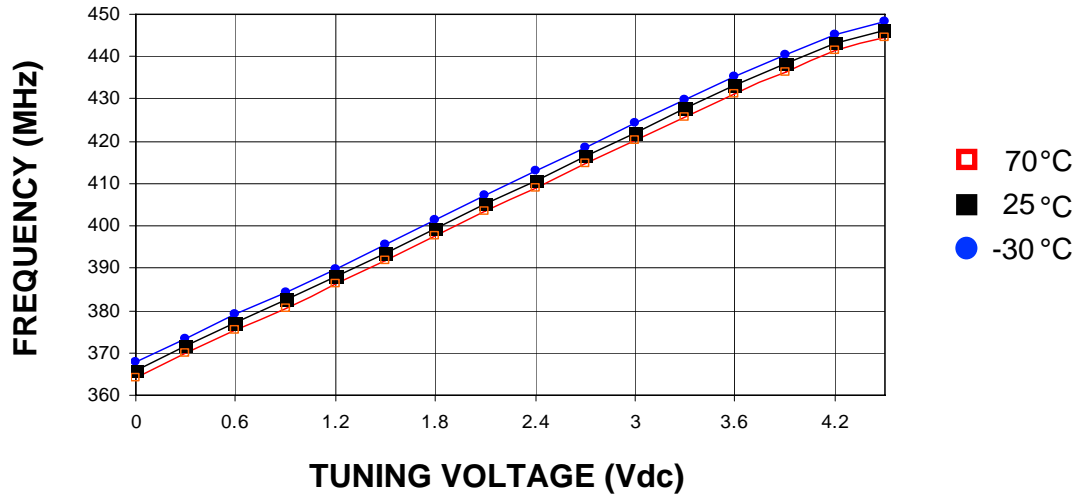
	Min	Typ	Max	Units
Supply Voltage (Vcc, nom.)		5		Vdc
Supply Current (Icc)		36	44	mA

Additional Notes

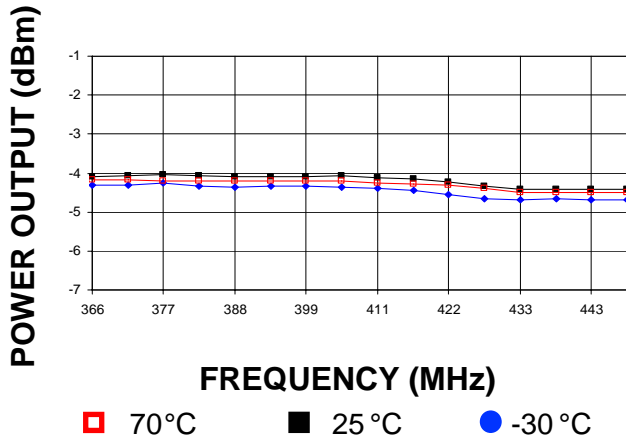
LFSuffix = RoHS Compliant. All specifications are subject to change without notice.



Tuning Curve, typ.



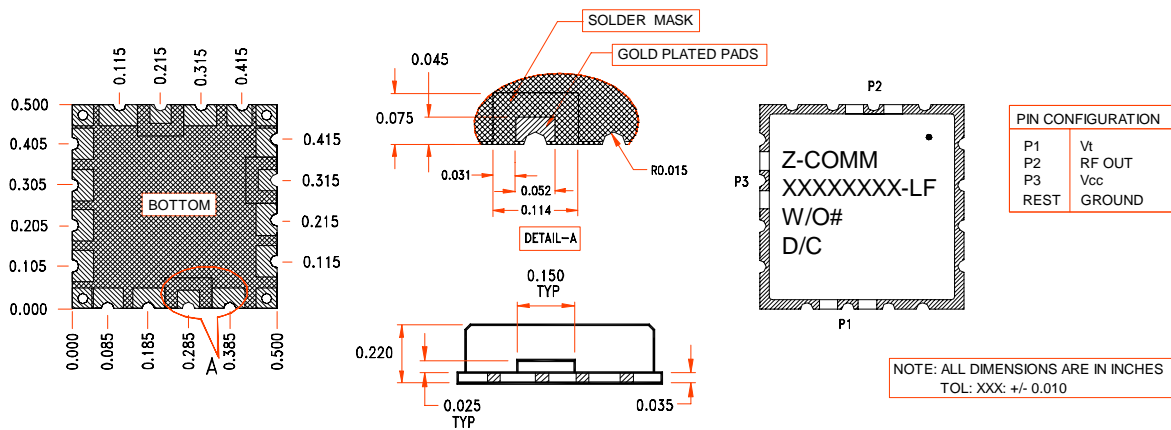
Power Curve, typ.



Footprint



Physical Dimensions



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