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Voltage-Controlled Oscillator Surface Mount Module

Applications

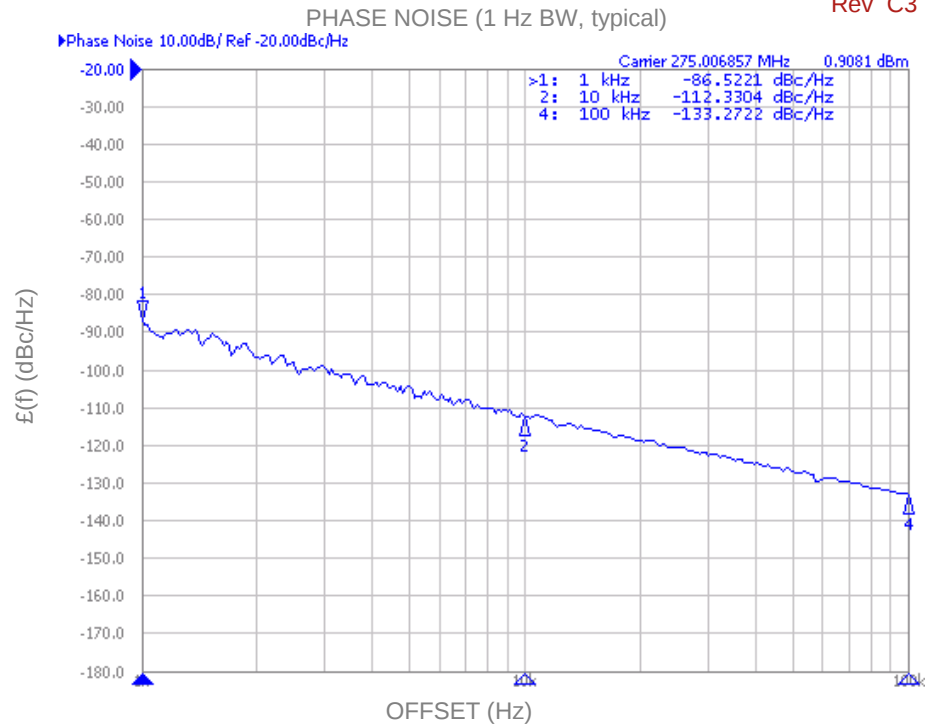
- Base stations
- Microwave Radios
-

Application Notes

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

V350ME12-LF

Rev C3

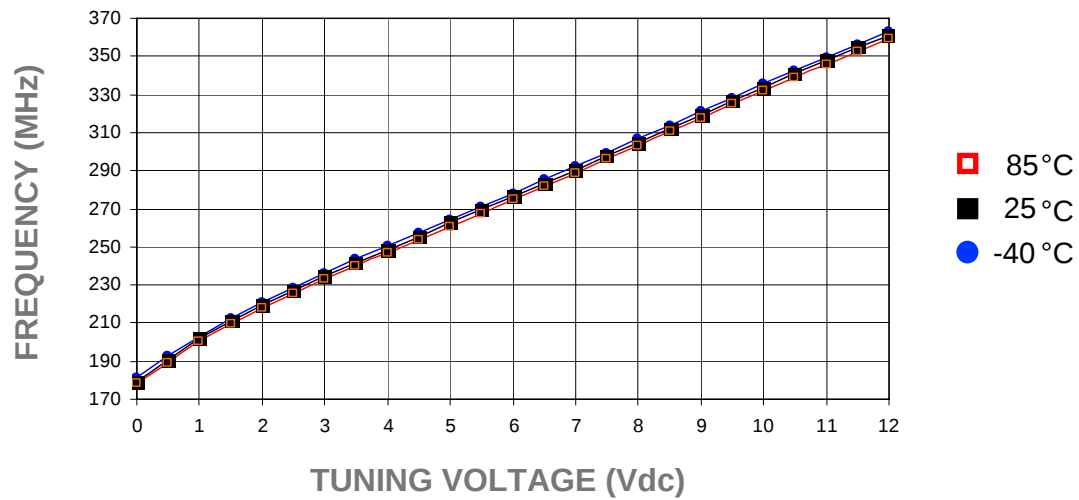
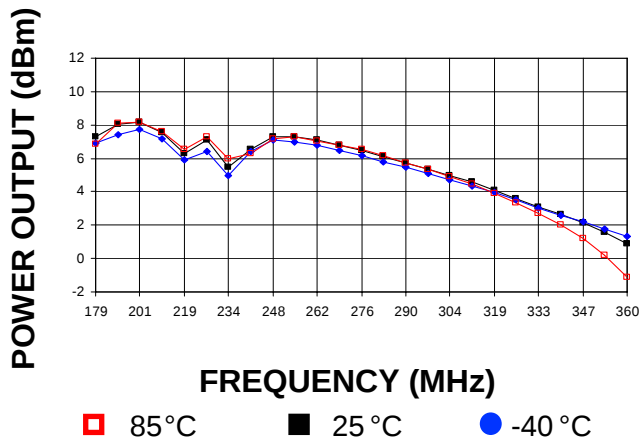
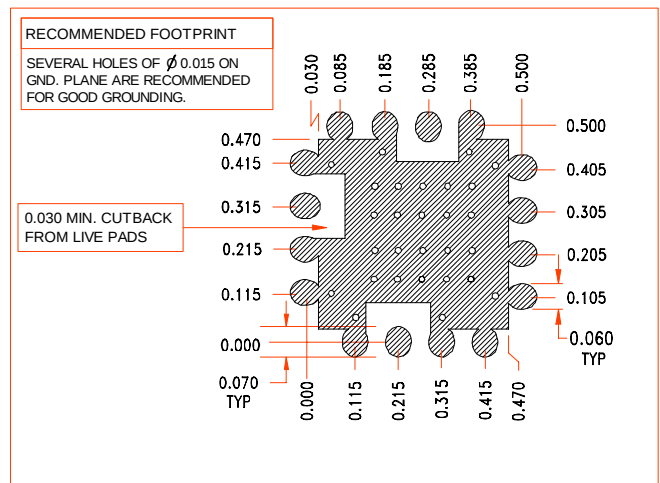
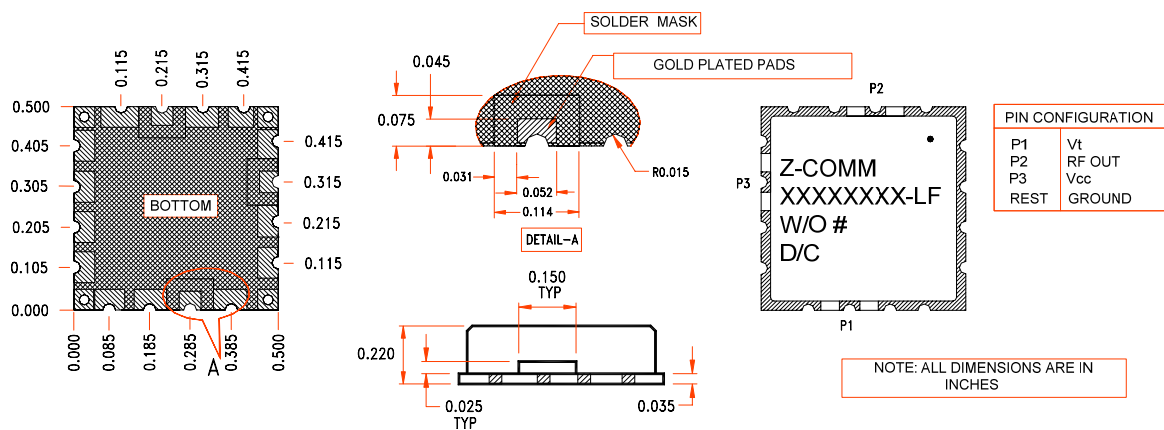


Performance Specifications	Min	Typ	Max	Units
Oscillation Frequency Range	200		350	MHz
Phase Noise @ 10 kHz offset (1 Hz BW)		-109		dBc/Hz
Harmonic Suppression (2nd)		-10	-6	dBc
Tuning Voltage	0.5		12	Vdc
Tuning Sensitivity (avg.)		14		MHz/V
Power Output	0	5	10	dBm
Load Impedance		50		Ω
Input Capacitance			250	pF
Pushing			3	MHz/V
Pulling (14 dB Return Loss, Any Phase)			.1	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)		15	19	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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