

Voltage-Controlled Oscillator Surface Mount Module

Applications

- Fixed Wireless
- Point to multipoint
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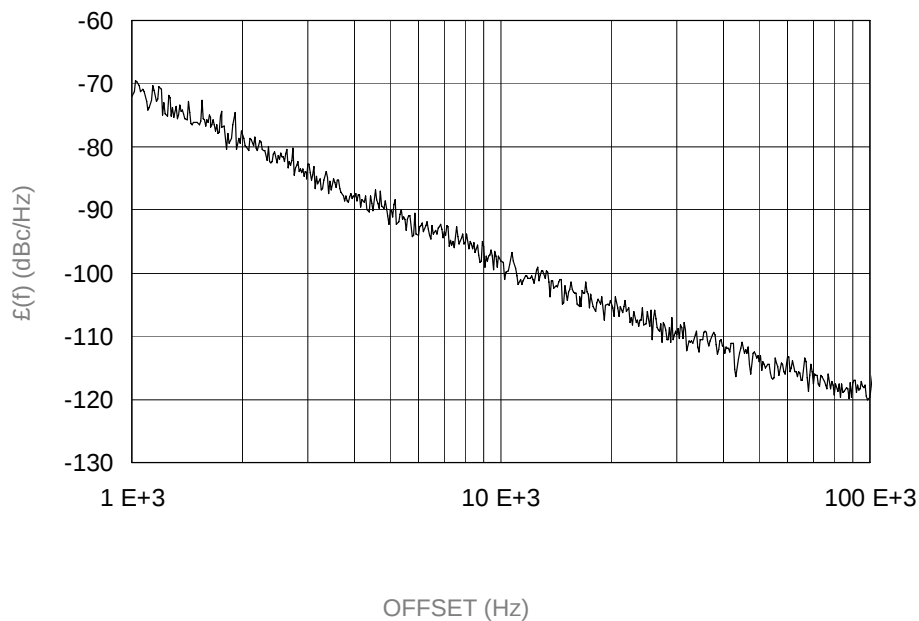
Application Notes

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

PHASE NOISE (1 Hz BW, typical)

V804ME17-LF

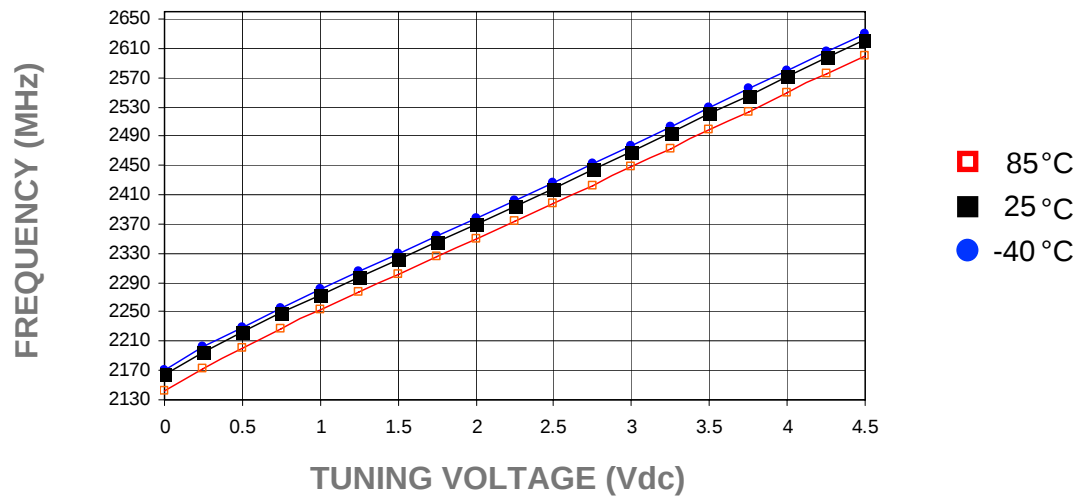
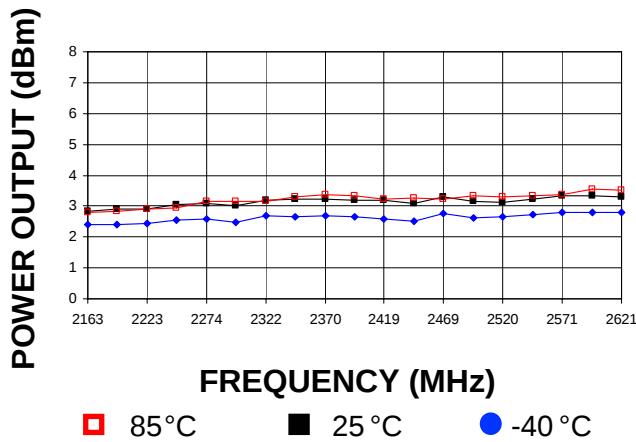
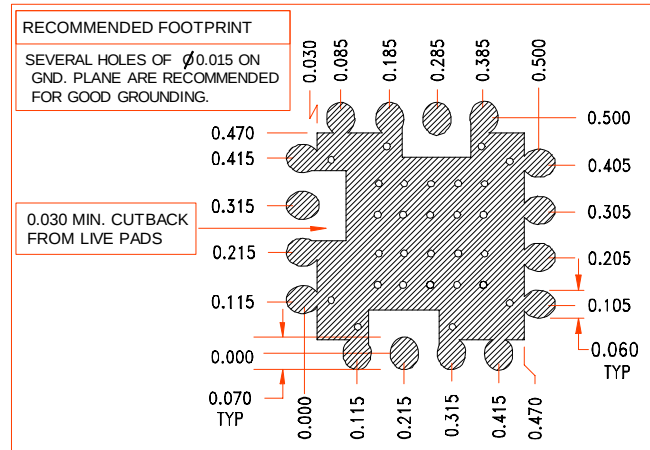
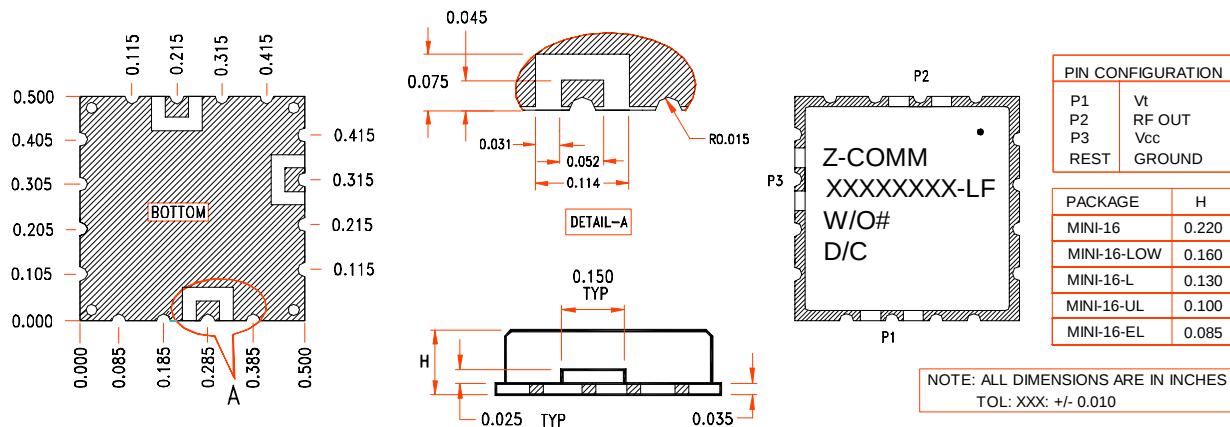
Rev A1



Performance Specifications	Min	Typ	Max	Units
Oscillation Frequency Range	2280		2450	MHz
Phase Noise @ 10 kHz offset (1 Hz BW)		-95		dBc/Hz
Harmonic Suppression (2nd)		-20		dBc
Tuning Voltage	0.5		4.5	Vdc
Tuning Sensitivity (avg.)		98		MHz/V
Power Output	2	4	6	dBm
Load Impedance		50		Ω
Input Capacitance			50	pF
Pushing			1	MHz/V
Pulling (14 dB Return Loss, Any Phase)			10	MHz
Operating Temperature Range	-40		85	$^{\circ}\text{C}$
Package Style	MINI-16-L			

Power Supply Requirements	Min	Typ	Max	Units
Supply Voltage (Vcc, nom.)		5		Vdc
Supply Current (Icc)		20	24	mA

Additional Notes

Tuning Curve, typ.

Power Curve, typ.

Footprint

Physical Dimensions


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