

Voltage-Controlled Oscillator Surface Mount Module

Applications

Mobile Radios
 Satellite Communications

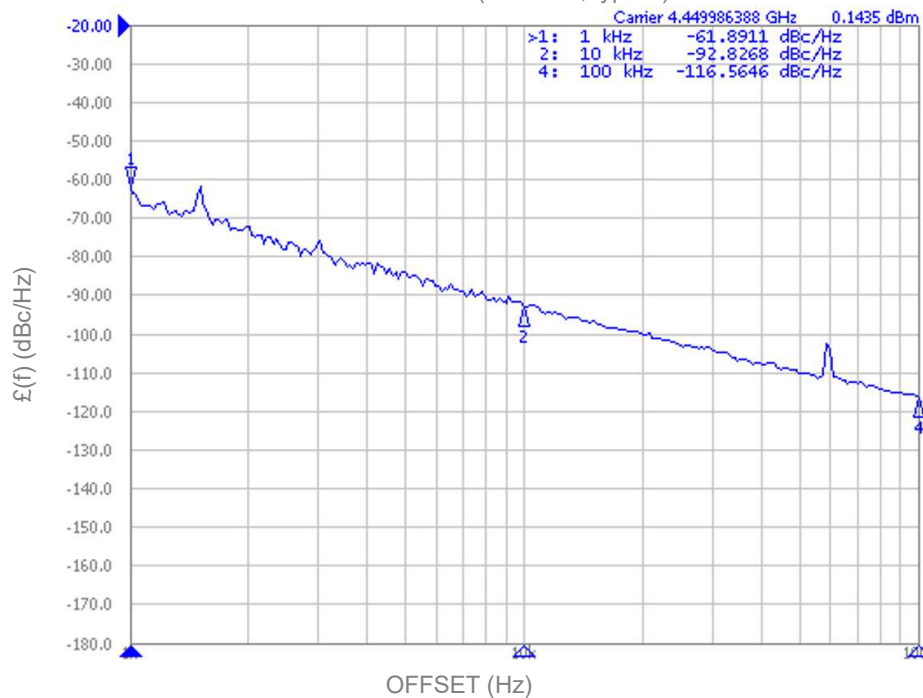
Application Notes

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

V600ME85-LF

Rev A1

PHASE NOISE (1 Hz BW, typical)

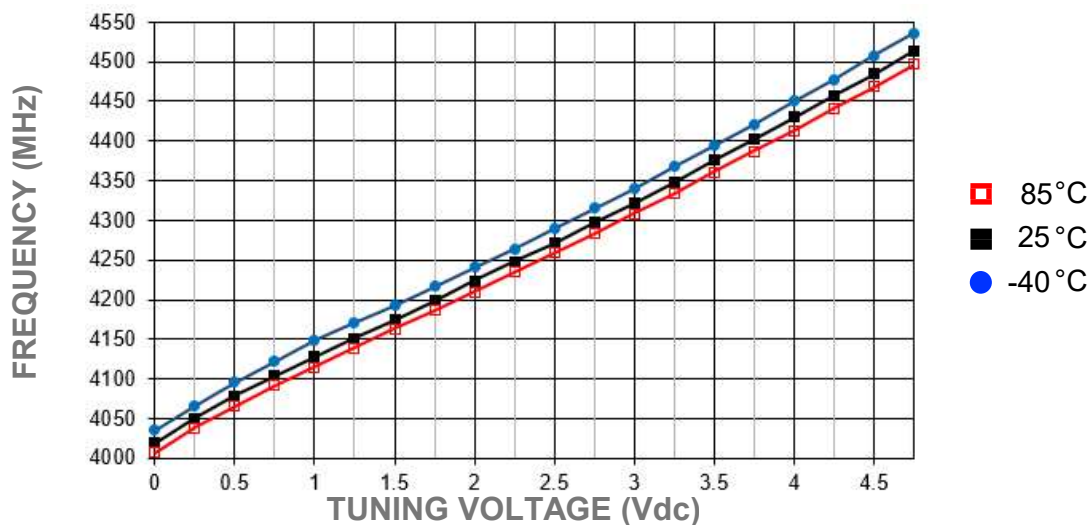


Performance Specifications	Min	Typ	Max	Units
Oscillation Frequency Range	4100		4450	MHz
Phase Noise @ 10 kHz offset (1 Hz BW)		-90		dBc/Hz
Harmonic Suppression (2nd)		-15		dBc
Tuning Voltage	0.3		4.75	Vdc
Tuning Sensitivity (avg.)		110		MHz/V
Power Output	2	5	8	dBm
Load Impedance		50		Ω
Input Capacitance			50	pF
Pushing			10	MHz/V
Pulling (dB Return Loss, Any Phase)			10	MHz
Operating Temperature Range	-40		85	$^{\circ}\text{C}$
Package Style	MINI-16-L			

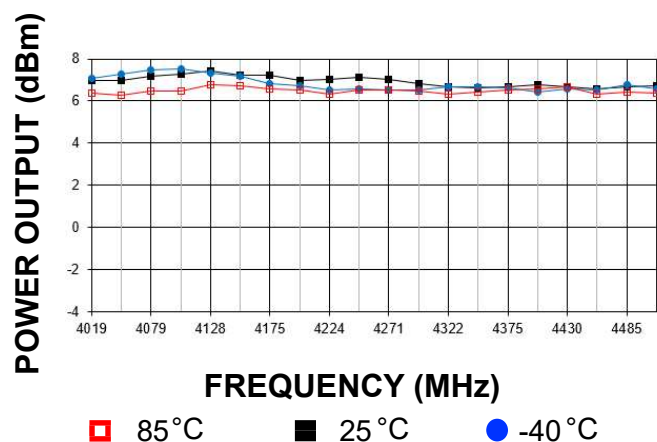
Power Supply Requirements	Min	Typ	Max	Units
Supply Voltage (Vcc, nom.)		5		Vdc
Supply Current (Icc)		35		mA

Additional Notes

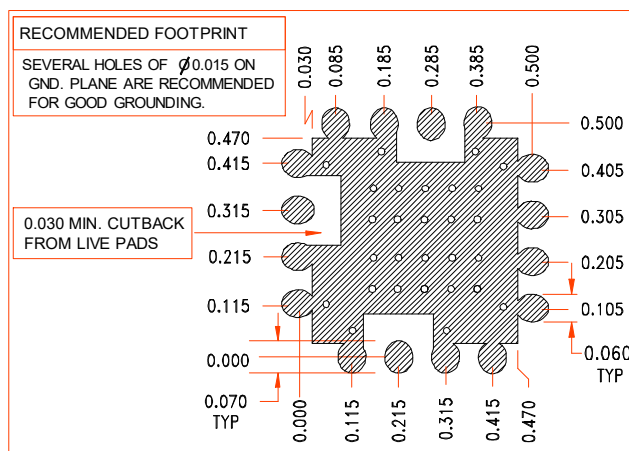
Tuning Curve, typ.



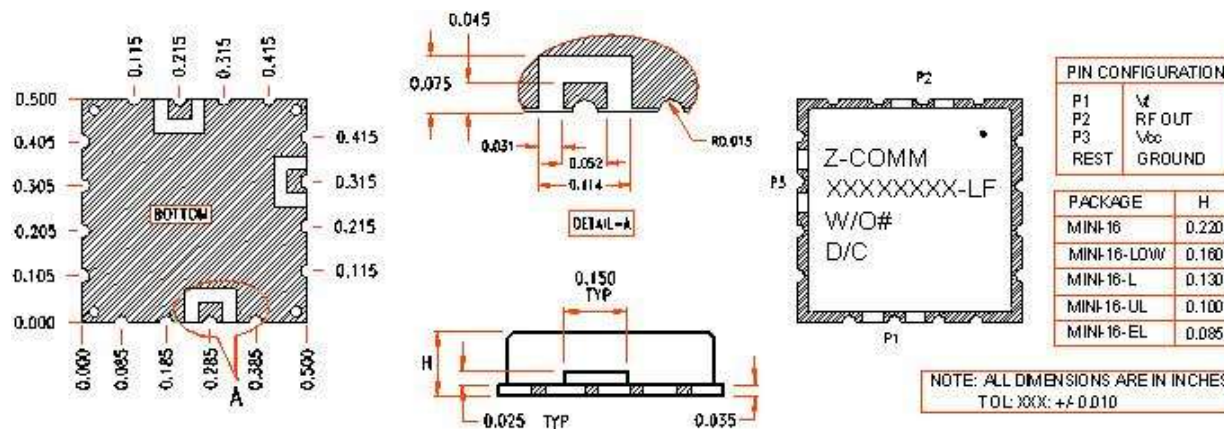
Power Curve, typ.



Footprint



Physical Dimensions



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