

14118 Stowe Drive, Suite B
 Poway, CA 92064
 TEL: (858) 621-2700 | FAX: (858) 486-1927
 URL: www.zcomm.com
 EMAIL: applications@zcomm.com

Voltage-Controlled Oscillator Surface Mount Module

Applications

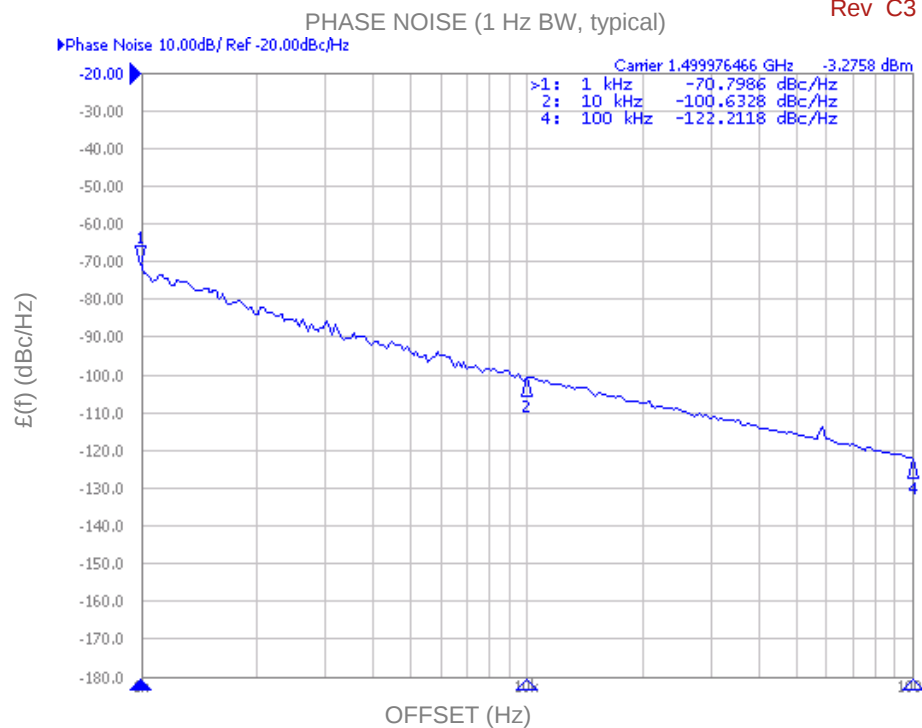
- CATV Headend
- Test Equipment
- Downconvertors

Application Notes

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

V585ME48-LF

Rev C3



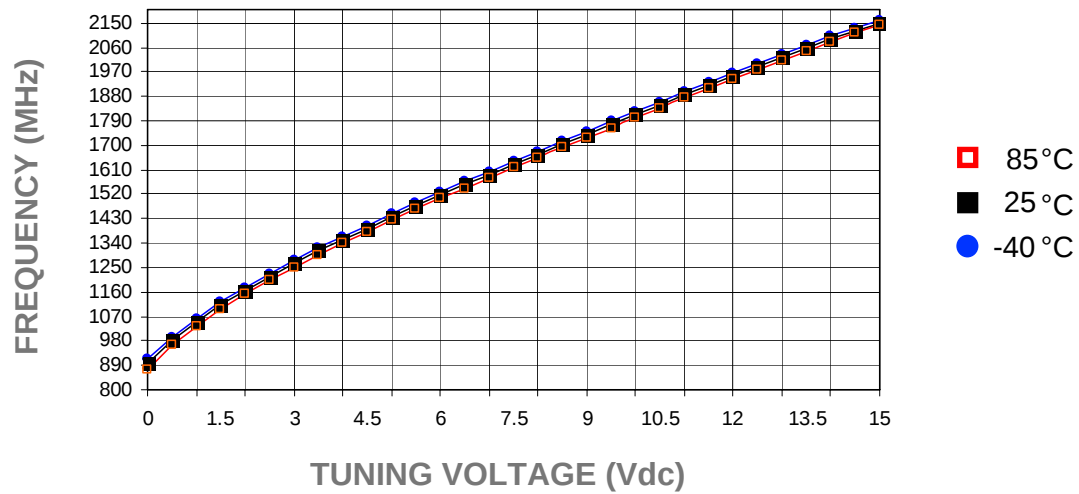
Performance Specifications	Min	Typ	Max	Units
Oscillation Frequency Range	950		2050	MHz
Phase Noise @ 10 kHz offset (1 Hz BW)		-98		dBc/Hz
Harmonic Suppression (2nd)		-33	-30	dBc
Tuning Voltage	0		15	Vdc
Tuning Sensitivity (avg.)		81		MHz/V
Power Output	1	4	7	dBm
Load Impedance		50		Ω
Input Capacitance			500	pF
Pushing			3	MHz/V
Pulling (12 dB Return Loss, Any Phase)			3	MHz
Operating Temperature Range	-40		85	$^{\circ}\text{C}$
Package Style	MINI-16HL-SM			

Power Supply Requirements	Min	Typ	Max	Units
Supply Voltage (Vcc, nom.)		10		Vdc
Supply Current (Icc)		19	23	mA

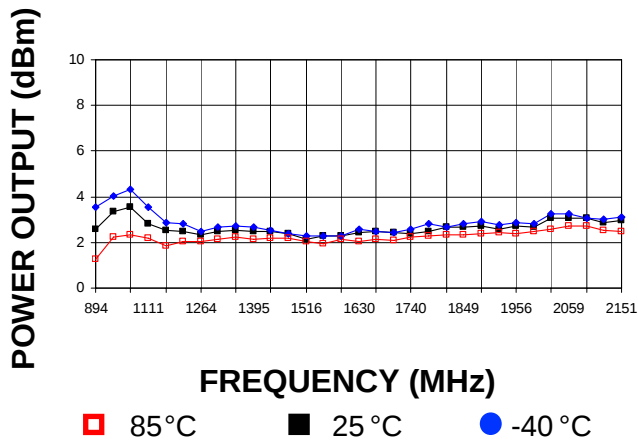
Additional Notes

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

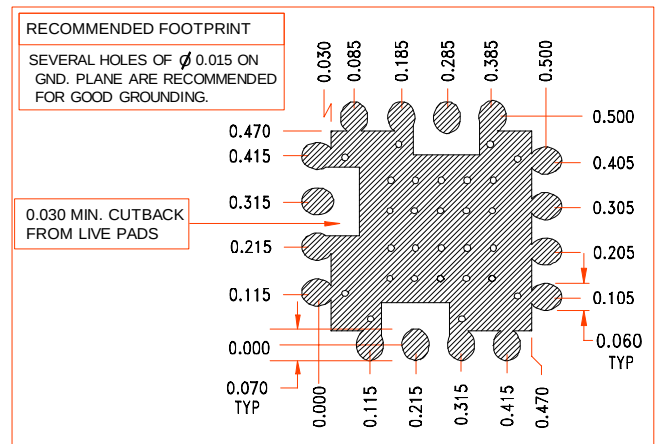
Tuning Curve, typ.



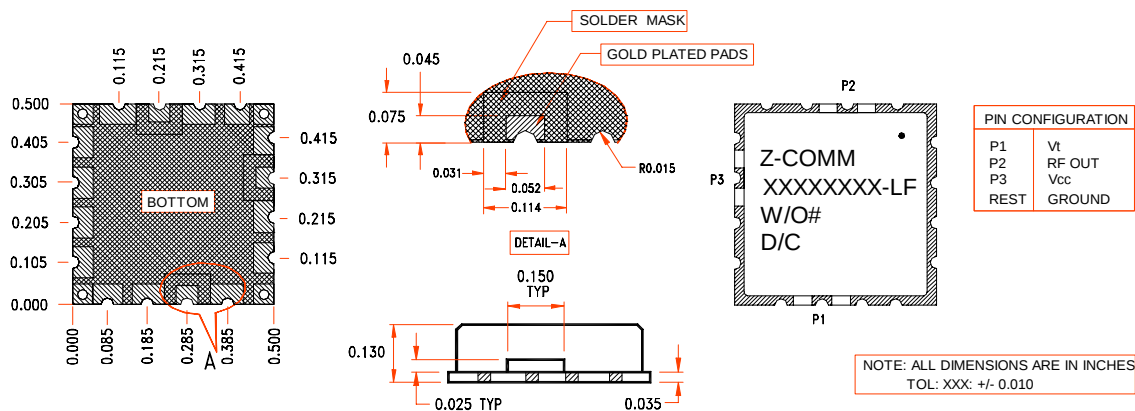
Power Curve, typ.



Footprint



Physical Dimensions



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