

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

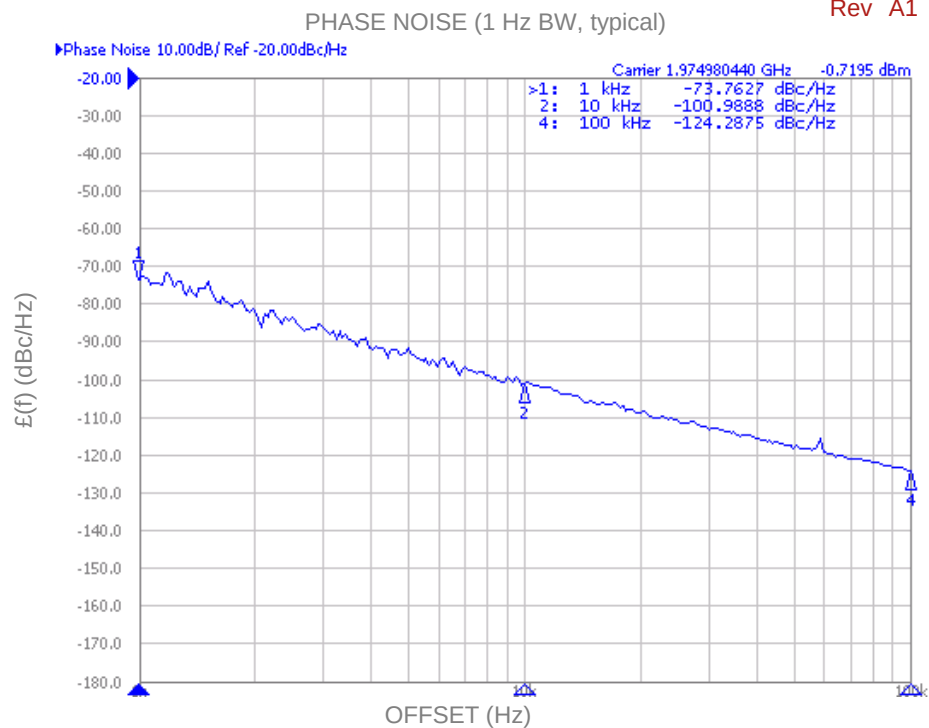
- Digital Radios
- Earthstations
- Satellite Modems

Application Notes

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

V585ME68-LF

Rev A1



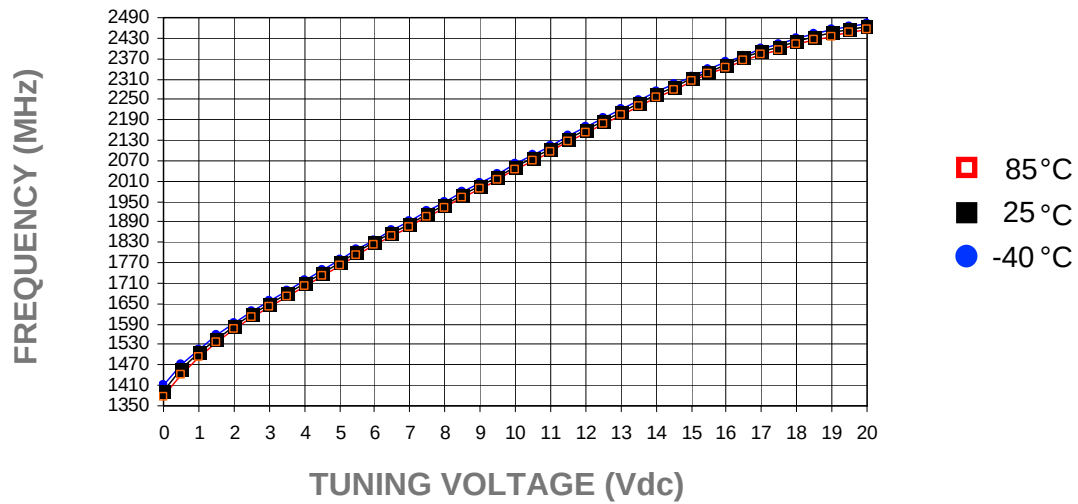
Performance Specifications	Min	Typ	Max	Units
Oscillation Frequency Range	1625		2325	MHz
Phase Noise @ 10 kHz offset (1 Hz BW)		-100		dBc/Hz
Harmonic Suppression (2nd)		-15		dBc
Tuning Voltage	1		20	Vdc
Tuning Sensitivity (avg.)		55		MHz/V
Power Output	0	5	10	dBm
Load Impedance		50		Ω
Input Capacitance			500	pF
Pushing			4	MHz/V
Pulling (12 dB Return Loss, Any Phase)			1	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.)		10		Vdc
Supply Current (Icc)		20	24	mA

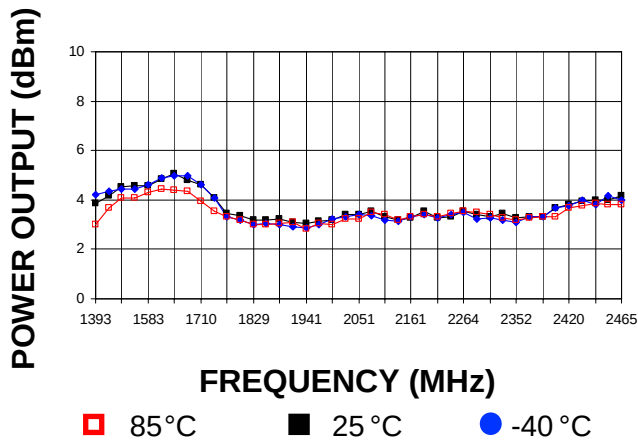
Additional Notes

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

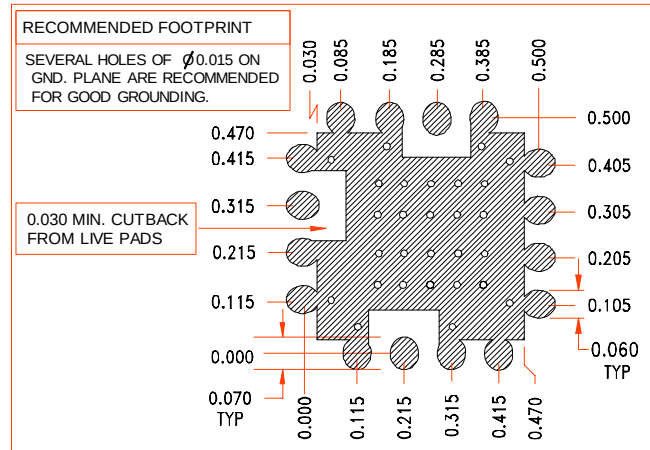
Tuning Curve, typ.



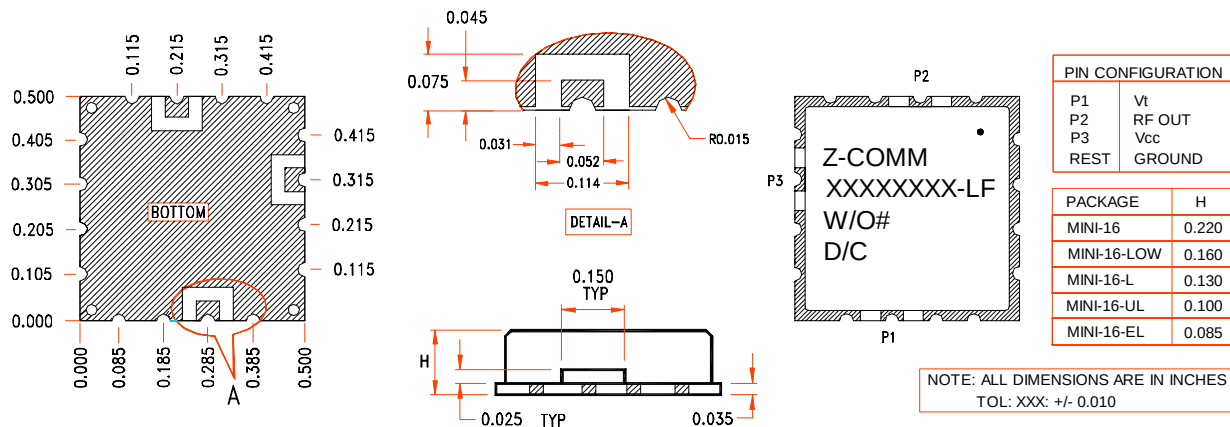
Power Curve, typ.



Footprint



Physical Dimensions



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