

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

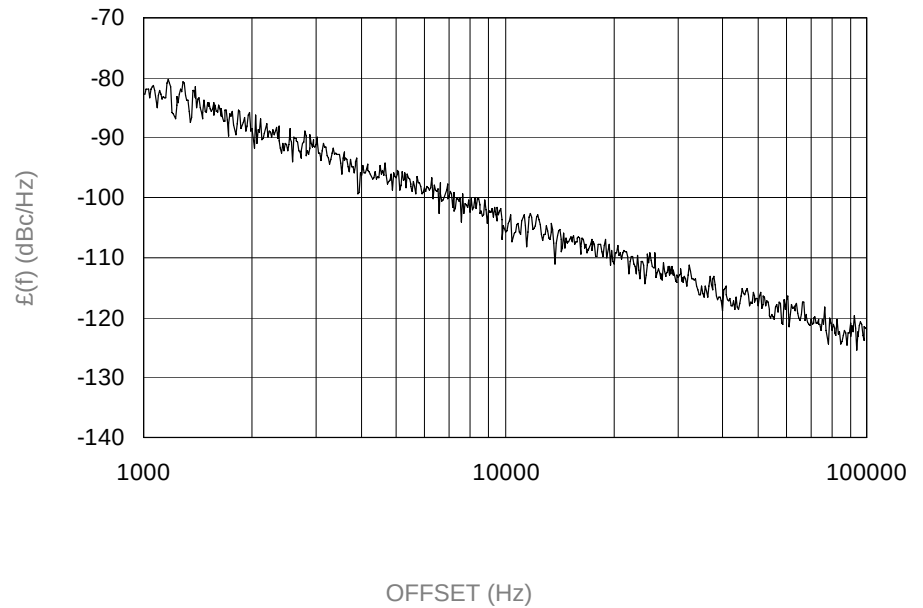
Voltage-Controlled Oscillator Surface Mount Module

Applications

- PCS Handhelds
- Portable Receivers
- Mobile Communications

Application Notes

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

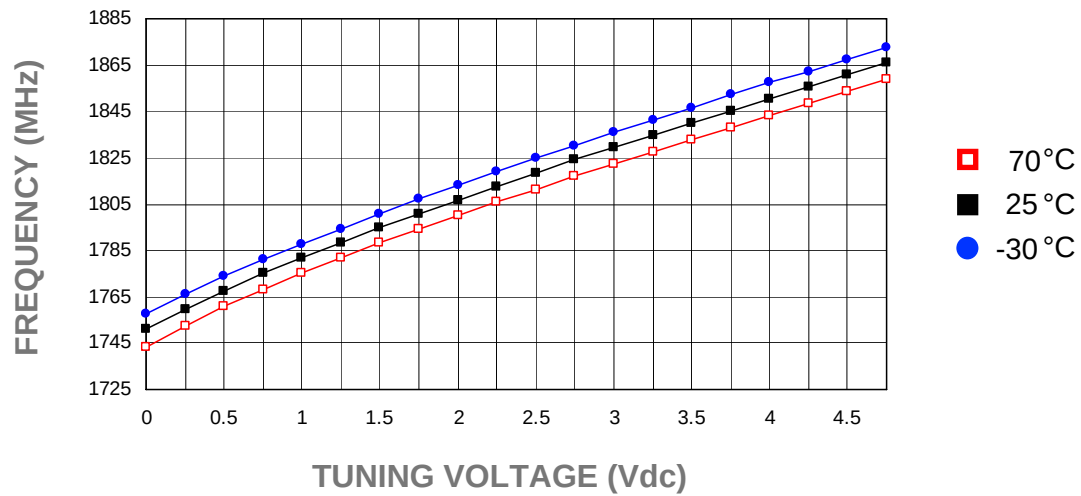


Performance Specifications	Min	Typ	Max	Units
Oscillation Frequency Range	1805		1850	MHz
Phase Noise @ 10 kHz offset (1 Hz BW)		-104		dBc/Hz
Harmonic Suppression (2nd)		-15	-13	dBc
Tuning Voltage	1		4.75	Vdc
Tuning Sensitivity (avg.)		22		MHz/V
Power Output	2	4	6	dBm
Load Impedance		50		Ω
Input Capacitance			50	pF
Pushing			1	MHz/V
Pulling (14 dB Return Loss, Any Phase)			5	MHz
Operating Temperature Range	-30		70	$^{\circ}\text{C}$
Package Style		MINI-16		

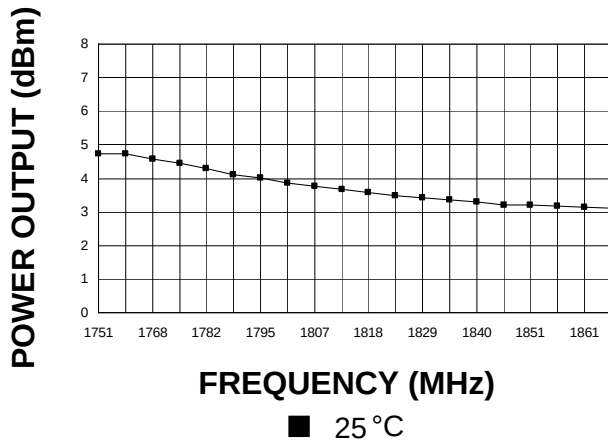
Power Supply Requirements	Min	Typ	Max	Units
Supply Voltage (Vcc, nom.)		5		Vdc
Supply Current (Icc)		16	20	mA

Additional Notes

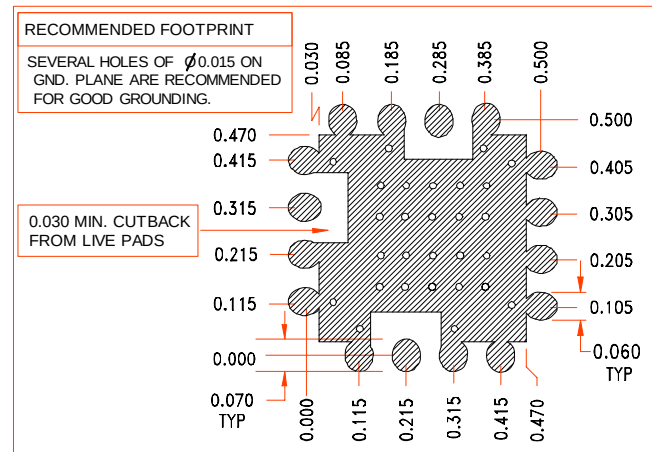
Tuning Curve, typ.



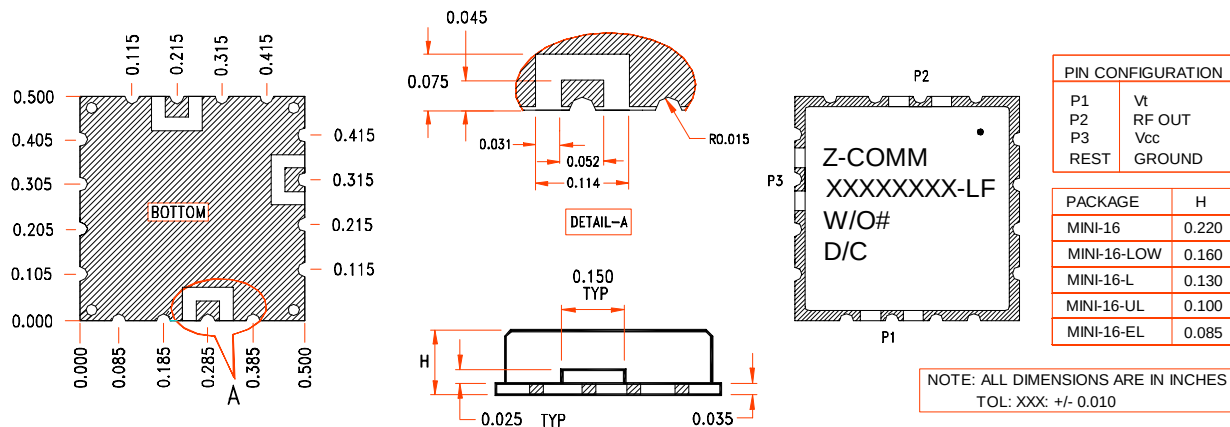
Power Curve, typ.



Footprint



Physical Dimensions



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