

# 3.3V, HCMOS, VCTCXO



Model: FOX801BHCLF

RoHS Compliant

Rev. 6/9/2008

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## FEATURES

- 3.3V Operation
- 2.0mm Height Max
- HCMOS Output
- Low Cost
- Tape and Reel (2,000 pcs. STD)

## • PART NUMBER SELECTION [Learn More](#) - Internet Required

Part Number	Model Number	Frequency Stability	Operating Temperature	Frequency Range (MHz)
255CLF-Frequency-xxxxx	FOX801BHCLF	±2.5PPM	30 ~ +75 (°C)	9.600 ~ 56.000

## • ELECTRICAL CHARACTERISTICS

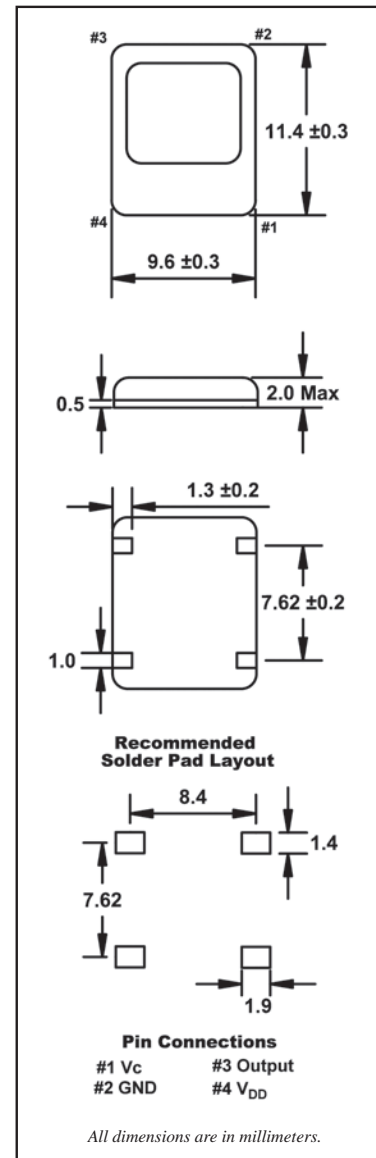
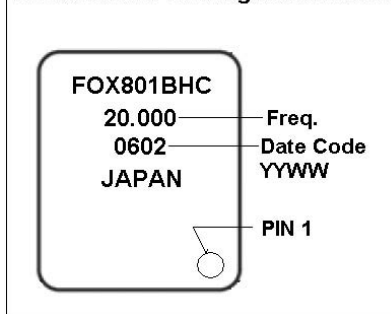
PARAMETERS	MAX (unless otherwise noted)
Frequency Range (Fo)	9.600 ~ 56.000 MHz
Temperature Range	
Operating (TOPR)	-30°C ~ +75°C
Storage (TSTG)	-40°C ~ +85°C
Initial Frequency Tolerance (@25°C) (Vc = 1.65V <sup>1</sup> )	±2.0PPM
Frequency Stability ref @ 25°C Over Operating Temp Range	±2.5PPM
Pullability (Vc = 1.65 ± 1.35V <sup>1</sup> )	±20PPM Min
Supply Voltage (VDD)	3.3V ± 5%
Control Voltage (Vc) <sup>1</sup>	1.65V ± 1.35V
Input Current (IDD)	
9.600 ~ 21.999MHz	15mA
21.999+ ~ 56.000MHz	20mA
Output Symmetry (50% VDD)	40% ~ 60%
Rise Time (10% ~ 90% VDD) (Tr)	7nS
Fall Time (90% ~ 10% VDD) (Tf)	7nS
Output Voltage (VOL)	10% VDD
(VOH)	90% VDD MIN
Output Current (IOL)	2mA Min
(IOH)	2mA Min
Output Load (HCMOS)	15pF
Start-up Time (Ts)	10mS

<sup>1</sup> For proper operation, a control voltage (Vc) must be applied to pin 1.

Note: The above specifications, having been carefully prepared and checked, is believed to be accurate at the time of publication; however, no responsibility is assumed by Fox Electronics for inaccuracies.

All specifications subject to change without notice.

### FOX801BHCLF Marking Identification



# 3.3V Low Profile VCTCXO



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• TAPE SPECIFICATIONS (millimeters)							
MODEL	A	B	C	D	E	F	STD Reel QTY
FOX801BHCLF	Ø1.5	4.0	12.0	11.5	24.0	2.7	2,000

• REEL SPECIFICATIONS (millimeters)							
MODEL	G	H	I	J	K	L	M
FOX801BHCLF	2.0	Ø13	Ø21	Ø80	Ø330	25.5	1.6

