



3.3V THRU-HOLE VCTCXO MODEL: FOX783

FEATURES

- 3.3V Operation
- HCMOS Output
- 14-Pin DIP

DISCONTINUED



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

Part Number	Model Number	Frequency Stability	Operating Temperature (°C)	Frequency Range (MHz)
510-Frequency-xxxxx	FOX783	±2.5PPM	0 ~ +70	50.000~312.000

• ELECTRICAL CHARACTERISTICS⁴

PARAMETERS	MAX (unless otherwise noted)
Frequency Range (Fo)	50.000 ~ 312.000 MHz ¹
Temperature Range (TSTG)	
Operating (TOPR)	0°C ~ +70°C
Storage (TSTG)	-30°C ~ +75°C
Frequency Tolerance (@25°C)	
Vc = 1.65V ²	±5PPM ³
Supply Voltage (VDD)	3.3V ± 10%
Input Current (IDD)	50mA
Frequency Stability ref@25°C (Ta = 0°C ~ +70°C)	±2.5PPM
Output Symmetry (@50% VDD)	45/55%
Rise Time (10% ~ 90% VDD) (Tr)	3 nS
Fall Time (90% ~ 10% VDD) (Tf)	3 nS
Output Voltage (VOL)	0.33V
(VOH)	2.97V Min
Output Current (IOL)	2mA
(IOH)	-2mA
Output Load (CL)	10pF
Pullability ¹ (Vc = 1.65V ± 1.0V) ²	±7.0PPM Min
Start-up Time (Ts)	10 mS

¹ Frequency availability is subject to inquiry. Contact Fox Engineering with your specific frequency requirements.

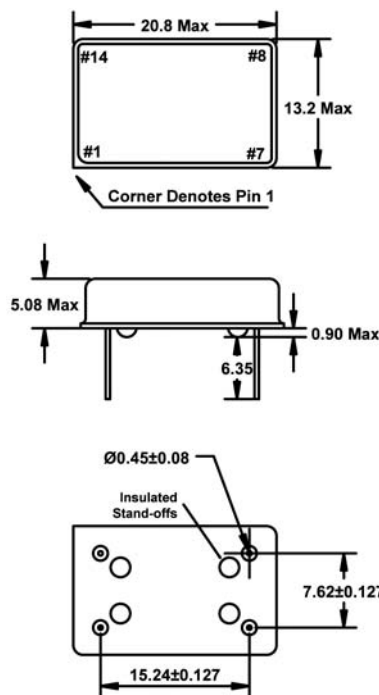
² For proper operation, a control voltage (Vc) must be applied to pin 1 on VCTCXO's.

³ Tighter tolerances to ±1 PPM available. Contact Fox Engineering for details.

⁴ Specifications are applicable to 76.800 MHz. Performance at other frequencies will vary.

All specifications subject to change without notice. Rev. 6/1/04

Note: A TCXO version with no voltage control (pin 1 NC) is available; contact Fox Engineering for details.



Pin Connections

#1 Vc #8 Output
#7 GND (Case) #14 Vdd

All dimensions are in millimeters.