



5.0V THRU-HOLE TCXO/VCTCXO MODEL: FOX782 SERIES

FEATURES

- 5.0V Operation
- HCMOS Output
- Adjustable Frequency
- 14-Pin DIP

OPTIONS

- VCTCXO - FOX782C
- Higher Frequencies
- Other Voltages Available



Quote it!

• PART NUMBER SELECTION Learn More - Internet Required				
Part Number	Model Number	Frequency Stability	Operating Temperature (°C)	Frequency ¹ Range (MHz)
417-Frequency-xxxxx	FOX782	see table	-20 ~ +75	1.500 ~ 20.000
609-Frequency-xxxxx	FOX782C	see table	-20 ~ +75	1.500 ~ 20.000

• ELECTRICAL CHARACTERISTICS	
	MAX (unless otherwise noted)
Frequency Range (Fo)	1.500 ~ 20.000 MHz ¹
Initial Frequency Tolerance @ 25°C VC=2.5V ²	±1.0PPM
Frequency Stability	
Over Temperature Range ³	±2.5PPM
Over Supply Voltage Change (5.0V ± 5%)	±0.2PPM
Temperature Range	
Operating (TOPR)	-20°C ~ +75°C
Storage (TSTG)	-40°C ~ +80°C
Supply Voltage (VDD)	5.0V ±5%
Input Current (IDD)	
1.500 ~ 20.000 MHz	15mA
Output Symmetry (50% VDD)	40% ~ 60%
Rise Time (10% ~ 90% VDD) (TR)	10nS
Fall Time (90% ~ 10% VDD) (TF)	10nS
Output Voltage (VOL)	10% VDD
(VOH)	90% VDD Min
Output Current (IOL)	4.0mA Min
(IOH)	-1.0mA Min
Output Load (HCMOS)	15pF
Start-up Time (Ts)	10mS
Aging	±1.0PPM
Frequency Adjustment (Internal Trimmer)	±3.0PPM Min
Pullability (VC = 2.5±2.0V) ²	±5PPM Min

¹ Higher frequencies are possible on an individual inquiry basis.

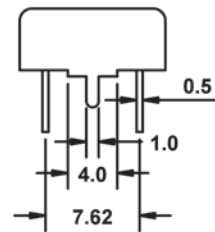
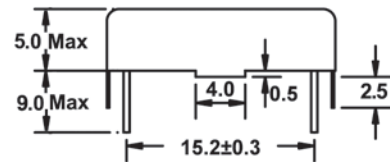
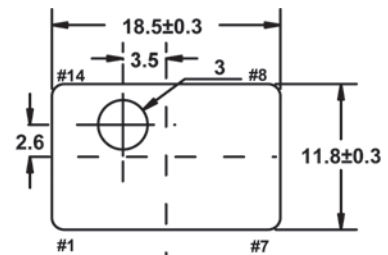
² For proper operation, a control voltage (VC) must be applied to pin 1 on VCTCXO's.

³ Other stabilities and temperature ranges available. Contact Fox Engineering for details VCTCXO version (FOX782C) available on an individual inquiry basis to custom customer specifications.

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

Learn more about: Part Marking Identification

Internet required



Pin Connections

TCXO	VCTCXO
#1 NC	#1 V _C
#7 GND	#7 GND
#8 OUTPUT	#8 OUTPUT
#14 V _{DD}	#14 V _{DD}

All dimensions are in millimeters.