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 (ºC)	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 @ 25ºC VC=2.5V[2]	±1.0PPM
Frequency Stability Over Temperature Range[3] Over Supply Voltage Change (5.0V ± 5%)	 ±2.5PPM ±0.2PPM
Temperature Range Operating (TOPR) Storage (TSTG)	 -20ºC ~ +75ºC -40ºC ~ +80ºC
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) (VOH)	10% VDD 90% VDD Min
Output Current (IOL) (IOH)	4.0mA Min -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

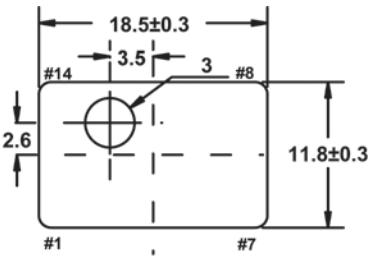
[1] Higher frequencies are possible on an individual inquiry basis.

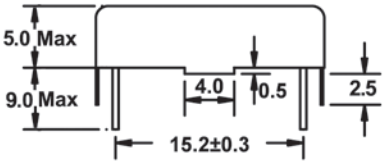
[2] For proper operation, a control voltage (VC) must be applied to pin 1 on VCTCXO's.

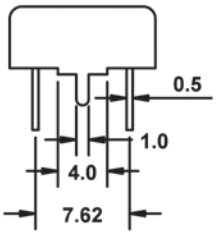
[3] Other stabilities and temperature ranges available. Contact Fox Engineering for details VCTCXO version (FOX782C) available on an individual inquiry basis to custom customer specifications.

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.

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