Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from,Europe,America and south Asia,supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of “Quality Parts,Customers Priority,Honest Operation,and Considerate Service”,our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!

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3.0V Ultra Miniature SMD TCXO/VCTCXO

Model: FOX914 SERIES **RoHS Compliant / Pb Free** **Rev. 3/13/2012**

http://www.foxonline.com/need_a_sample.htm

Need a Sample®

FEATURES

- 3.0V Operation
- 1.5mm Height Max
- Clipped Sine Output
- Low Cost
- Tape and Reel (2,000 pcs. STD)

OPTIONS

- Voltage Control (FOX914E)
- Voltages of 2.5V ~ 2.8V ~ 3.3V

• PART NUMBER SELECTION

Part Number	Model Number	Frequency Stability	Operating Temperature (ºC)	Frequency Range (MHz)[1]
490-Frequency-xxxxx	**FOX914B**	See table	-20 ~ +75	8.000 ~ 40.000
491-Frequency-xxxxx	**FOX914E**	See table	-20 ~ +75	8.000 ~ 40.000

• ELECTRICAL CHARACTERISTICS

PARAMETERS	MAX (unless otherwise noted)
Frequency Range (Fo)	8.000 ~ 40.000 MHz[1]
Temperature Range	
Operating (Topr)[3]	-30ºC ~ +85ºC
Storage (Tstg)	-40ºC ~ +85ºC
Supply Voltage (VDD)[4]	3.0V ± 5%
Input Current (IDD)	2.0mA
Initial Frequency Tolerance (@ 25ºC ± 2ºC)	
(Vc = 1.5V[2])	±1.0PPM
Frequency Stability	
Over Temperature Range[3]	±2.5PPM
Over Supply Voltage Change (3.0V ± 5%)	±0.2PPM
Over Load Change (10kΩ ± 10% // 10pF ±10%)	±0.2PPM
Output Waveform (Clipped Sine)	
Peak-to-Peak Level (Vp-p)	0.8V Min
Output Load	10kΩ // 10pF ±10%
Aging per year	±1.0PPM
Pullability[2] (Vc = 1.5 ± 1.0V)	±5.0 ~ ±15.0 PPM

[1] Undeveloped frequencies available on an inquiry basis.

[2] For proper operation, a control voltage (Vc) must be applied to pin 1 on VCTCXOs.

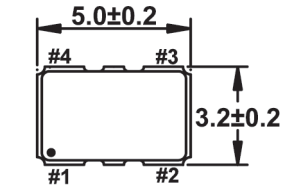
[3]Other stabilities/temperature ranges available.

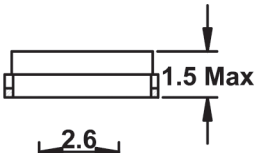
[4]Other voltages available.

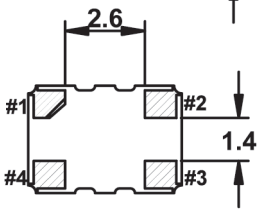
*Dimensional drawing is for reference to critical specifications defined by size measurements. Certain non-critical visual attributes, such as side castellations, reference pin shape, etc. may very.All specifications subject to change without notice.

• DEVELOPED FREQUENCIES[1]

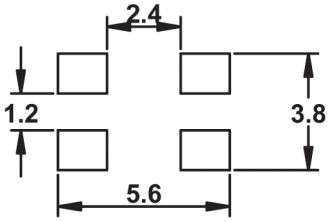
12.600 MHz	19.200 MHz
12.800 MHz	19.440 MHz
13.000 MHz	19.680 MHz
13.824 MHz	19.800 MHz
14.400 MHz	20.000 MHz
14.850 MHz	26.000 MHz
16.800 MHz	







Recommended Solder Pad Layout



Pin Connections

FOX914B		FOX914E	
#1 GND	#3 Output	#1 Vc[3]	#3 Output
#2 GND	#4 V_{DD}	#2 GND	#4 V_{DD}

All dimensions are in millimeters.