

# FOX 3.0V ULTRA MINIATURE SMD TCXO/VCTCXO MODEL: FOX914 SERIES



## 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 2.8V ~ 3.3V



**Quote it!**

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

Part Number	Model Number	Frequency Stability	Operating Temperature (°C)	Frequency Range (MHz) <sup>1</sup>
490-Frequency-xxxxx	FOX914B	See table	-20 ~ +75	8.000 ~ 35.000
491-Frequency-xxxxx	FOX914E	See table	-20 ~ +75	8.000 ~ 35.000

Learn more about:  
[Part Marking Identification](#)  
[Tape and Reel Specification](#)

Internet required

## • ELECTRICAL CHARACTERISTICS

PARAMETERS	MAX (unless otherwise noted)
Frequency Range (Fo)	8.000 ~ 35.000 MHz <sup>1</sup>
Temperature Range	
Operating (TOPR) <sup>3</sup>	-20°C ~ +75°C
Storage (TSTG)	-40°C ~ +85°C
Supply Voltage (VDD) <sup>4</sup>	3.0V ± 5%
Input Current (IDD)	2.0mA
Initial Frequency Tolerance (@ 25°C ± 2°C) (Vc = 1.5V <sup>2</sup> )	±1.0PPM
Frequency Stability	
Over Temperature Range <sup>3</sup>	±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
Aging per year	±1.0PPM
Pullability <sup>2</sup> (Vc = 1.5 ± 1.0V)	±5.0 ~ ±15.0 PPM

<sup>1</sup> Undeveloped frequencies available on an inquiry basis.

<sup>2</sup> For proper operation, a control voltage (Vc) must be applied to pin 1 on VCTCXOs.

<sup>3</sup> Other stabilities/temperature ranges available.

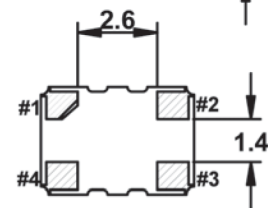
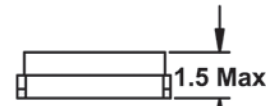
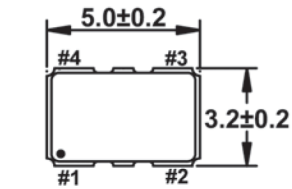
<sup>4</sup> Other voltages available.

RoHS Compliance Status: Compliant

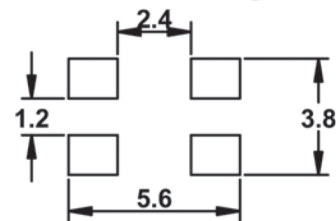
All specifications subject to change without notice. Rev. 11/11/04

## • DEVELOPED FREQUENCIES<sup>1</sup>

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 <sup>3</sup>	#3 Output
#2 GND	#4 VDD	#2 GND	#4 VDD

All dimensions are in millimeters.