

## 3.0V ULTRA MINIATURE SMD TCXO/VCTCXO

# 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



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

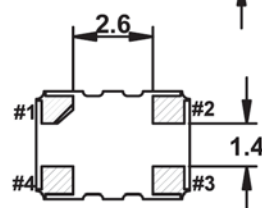
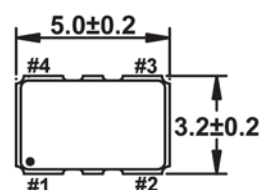
12.600 MHz	19.200 MHz
12.800 MHz	19.440 MHz
13.000 MHz	19.680 MHz
13.824 MHz	19.800 MHz
14.400 MHz	20.000 MHz
14.850 MHz	26.000 MHz
16.800 MHz	

### • ELECTRICAL CHARACTERISTICS

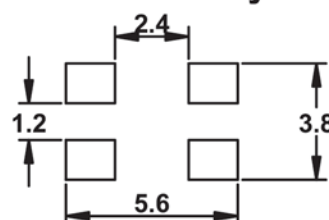
PARAMETERS	MAX (unless otherwise noted)
Frequency Range (Fo)	12.600 ~ 26.000 MHz
Temperature Range	
Operating (TOPR)	-20°C ~ +75°C
Storage (TSTG)	-40°C ~ +85°C
Supply Voltage (VDD)	3.0V ± 5%
Input Current (IDD)	2.0mA
Initial Frequency Tolerance (@ 25°C ± 2°C) (Vc = 1.5V) <sup>2</sup>	±0.5PPM
Frequency Stability	
Over Temperature Range	±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.  
All specifications subject to change without notice. Rev: 02/10/03



### Recommended Solder Pad Layout



### Pin Connections

FOX914B		FOX914E	
#1 GND	#3 Output	#1 Vc	#3 Output
#2 GND	#4 VDD	#2 GND	#4 VDD

All dimensions are in millimeters.

See page 79 for tape and reel specifications.