

## 3.0V Surface Mount TCXO/VCTCXO

# FOX923E

### FEATURES

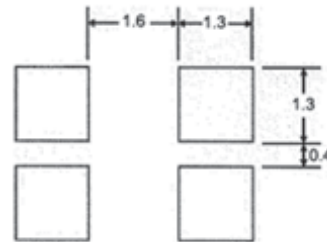
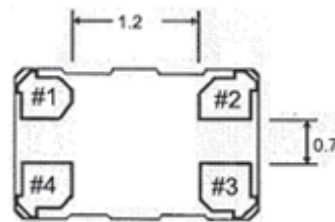
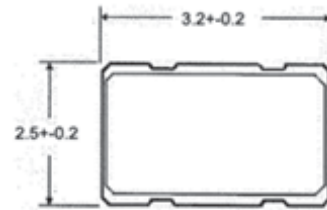
- 3.0V Operation
- 1.2 mm Max Height
- Clipped SINE Output
- Low Cost
- Tape and Reel



• ELECTRICAL CHARACTERISTICS	
PARAMETERS	MAX (unless otherwise noted)
Frequency Range (Fo)	13.000 ~ 26.000 MHz
Initial Frequency Tolerance @ 25°C	± 0.5 PPM
Frequency Stability	
Over Temperature Range	± 2.5PPM
Over Supply Voltage Change (3.0V ± 5%)	± 0.2PPM
Over Load Change (10KΩ//10pF) ±10%	± 0.2PPM
Temperature Range	
Operating (TOPR)	-20 ~ +75°C
Storage (TSTG)	-40 ~ +85°C
Supply Voltage (VDD)	3.0V ± 5%
Input Current (IDD)	2.0mA
Output Waveform (Clipped Sine)	
Peak-to-Peak Level (Vp-p)	0.8V
Output Load	10K Ω // 10pF
Aging @ 25°C; per year	± 1.0PPM
Frequency Adjustment (Vc = 1.5V ± 1.0V) <sup>1</sup>	±5PPM MIN, ±15PPM MAX

All specifications subject to change without notice. Rev. 05/5/03

<sup>1</sup>For proper operation, a control Voltage (Vc) must be applied to pin 1 on VCTCXO's.



#### Pin Connections

#1 Vc    #3 Output  
#2 GND    #4 Vdd

All dimensions are in millimeters.