

# FOX MODEL: FOX923E



## FEATURES

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



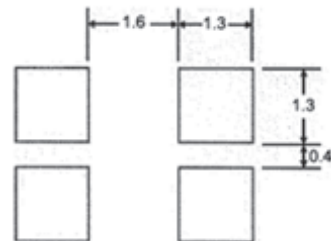
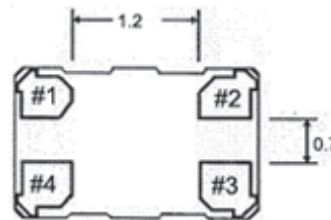
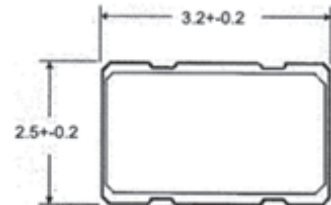
**Quote it!**

| PART NUMBER SELECTION <a href="#">Learn More</a> - Internet Required |              |                     |                       |                       |
|--|--------------|---------------------|-----------------------|-----------------------|
| Part Number  | Model Number | Frequency Stability | Operating Temperature | Frequency Range (MHz) |
| 638-Frequency-xxxxx  | FOX923E      | see table           | -20 ~ +75 °C          | 13.000 ~ 35.000       |

| ELECTRICAL CHARACTERISTICS                           |                              |
|--|------------------------------|
| PARAMETERS   | MAX (unless otherwise noted) |
| Frequency Range (Fo)                                 | 13.000 ~ 35.000 MHz          |
| Initial Frequency Tolerance @ 25°C                   | ± 0.5 PPM                    |
| Frequency Stability <sup>2</sup>                     |                              |
| 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 <sup>3</sup> (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. 6/1/04  
<sup>1</sup>For proper operation, a control Voltage (Vc) must be applied to pin 1 on VCTCXO's.  
<sup>2</sup>Other stabilities/temperature ranges available.  
<sup>3</sup>Other voltages available.

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



**Pin Connections**  
 #1 Vc    #3 Output  
 #2 GND    #4 Vdd

All dimensions are in millimeters.