

# FOX MODEL: FOX923 SERIES



## FEATURES

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

## OPTIONS

- Voltage Control (FOX923E)
- Voltages of 2.8V ~ 3.3V

Quote it!

PART NUMBER SELECTION <small>Learn More - Internet Required</small>				
Part Number	Model Number	Frequency Stability	Operating Temperature	Frequency Range (MHz)
673-Frequency-xxxxx	FOX923B	see table	-20 ~ +75 °C	8.000 ~ 35.000
638-Frequency-xxxxx	FOX923E	see table	-20 ~ +75 °C	8.000 ~ 35.000

ELECTRICAL CHARACTERISTICS	
PARAMETERS	MAX (unless otherwise noted)
Frequency Range (Fo)	8.000 ~ 35.000 MHz
Initial Frequency Tolerance @ 25°C (FOX923E: Vc = 1.5V <sup>1</sup> )	± 1.0PPM
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 MIN
Aging @ 25°C; per year	± 1.0PPM
Pullability <sup>1</sup> (Vc = 1.5V ± 1.0V)	±5PPM MIN, ±15PPM MAX
Maximum Soldering Temp / Time	260°C / 10 Seconds*
Moisture Sensitivity Level (MSL)	1
Termination Finish	Au

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

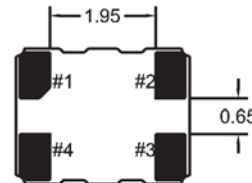
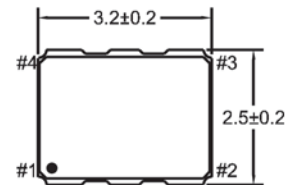
<sup>2</sup>Other stabilities/temperature ranges available.

<sup>3</sup>Other voltages available.

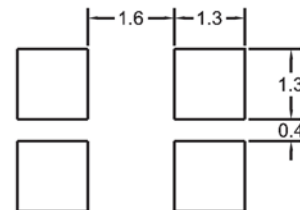
All specifications subject to change without notice. Rev. 7/26/05

Learn more about:  
Part Marking Identification  
Tape and Reel Specification

Internet required



Recommended  
Solder Pad Layout



*All dimensions are in millimeters.*

Pin Connections

FOX923B		FOX923E	
#1 NC	#3 Output	#1 Vc	#3 Output
#2 GND	#4 Vdd	#2 GND	#4 Vdd