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

RoHS Compliant

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 (ºC)	Frequency Range (MHz)[1]
490-Frequency-xxxxx	**FOX914B**	See table	-20 ~ +75	8.000 ~ 35.000
491-Frequency-xxxxx	**FOX914E**	See table	-20 ~ +75	8.000 ~ 35.000

• ELECTRICAL CHARACTERISTICS

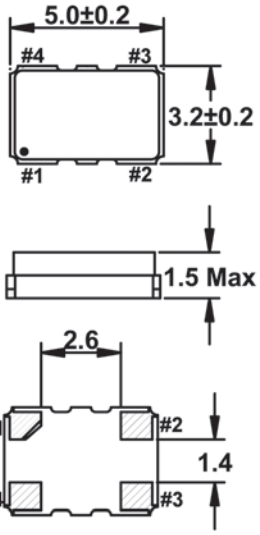
PARAMETERS	MAX (unless otherwise noted)
Frequency Range (Fo)	8.000 ~ 35.000 MHz[1]
Temperature Range	
Operating (Topr)[3]	-20ºC ~ +75ºC
Storage (Tstg)	-40ºC ~ +85ºC
Supply Voltage (VDD)[4]	3.0V ± 5%
Input Current (IDD)	2.0mA
Initial Frequency Tolerance (@ 25ºC ± 2ºC) (Vc = 1.5V[2])	±1.0PPM
Frequency Stability	
Over Temperature Range[3]	±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[2] (Vc = 1.5 ± 1.0V)	±5.0 ~ ±15.0 PPM

[1] Undeveloped frequencies available on an inquiry basis.
[2] For proper operation, a control voltage (Vc) must be applied to pin 1 on VCTCXOs.
[3] Other stabilities/temperature ranges available.
[4] Other voltages available.
RoHS Compliance Status: Compliant
All specifications subject to change without notice. *Rev. 11/11/04*

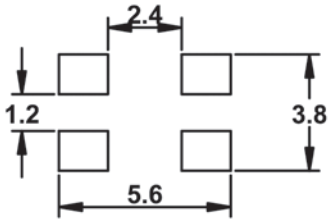
• DEVELOPED FREQUENCIES[1]

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	

Learn more about:
Part Marking Identification
Tape and Reel Specification
Internet required



Recommended Solder Pad Layout



Pin Connections

FOX914B		FOX914E	
#1 GND	#3 Output	#1 Vc[3]	#3 Output
#2 GND	#4 V_{DD}	#2 GND	#4 V_{DD}

All dimensions are in millimeters.

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