

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)
- Lower Voltages



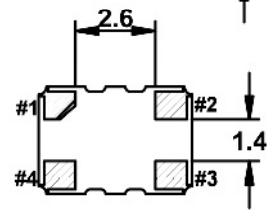
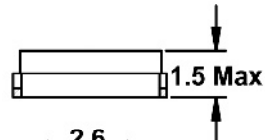
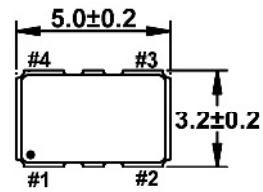
• DEVELOPED FREQUENCIES ¹	
12.600 MHz	19.200 MHz
12.800 MHz	19.440 MHz
13.000 MHz	19.680 MHz
13.824 MHz	19.800 MHz
14.400 MHz	20.000 MHz
14.850 MHz	26.000 MHz
16.800 MHz	

• ELECTRICAL CHARACTERISTICS	
PARAMETERS	MAX (unless otherwise noted)
Frequency Range (F _o)	12.600 ~ 26.000 MHz
Temperature Range	
Operating (T _{OPR})	-20°C ~ +75°C
Storage (T _{STG})	-40°C ~ +85°C
Supply Voltage (V _{DD})	3.0V ± 5%
Input Current (I _{DD})	2.0mA
Initial Frequency Tolerance (@ 25°C ± 2°C) (V _c = 1.5V) ²	±0.5PPM
Frequency Stability	
Over Temperature Range	±2.5PPM
Over Supply Voltage Change (3.0V ± 5%)	±0.2PPM
Over Load Change (10Ω ± 10% // 10pF ± 10%)	±0.2PPM
Output Waveform (Clipped Sine)	
Peak-to-Peak Level (V _{p-p})	0.8V Min
Output Load	10kΩ // 10pF
Aging per year	±1.0PPM
Pullability ² (V _c = 1.5 ± 1.0V)	±5.0 ~ ±15.0 PPM

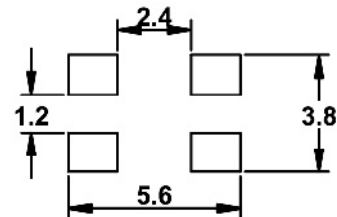
¹ Undeveloped frequencies available on an inquiry basis.

² For proper operation, a control voltage (V_c) must be applied to pin 1 on VCTCXOs.

All specifications subject to change without notice. Rev. 05/01/02



Recommended Solder Pad Layout



Pin Connections

FOX914B		FOX914E	
#1 GND	#3 Output	#1 V _c	#3 Output
#2 GND	#4 V _{DD}	#2 GND	#4 V _{DD}

All dimensions are in millimeters.