

2.5V/3.3V CMOS XO

UX31/UX321



3.2 x 2.5mm Ceramic SMD

Product Features

- Ultra low phase jitter for 40G/100G systems
 - 0.1ps RMS max. (12kHz to 20MHz), Category 1
 - 0.2ps RMS max. (12kHz to 20MHz), Category 1
 - 0.3ps RMS max. (12kHz to 20MHz), Category 2
- Industrial Temperature Range
- Pb-free & RoHS compliant

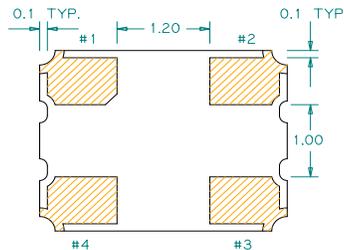
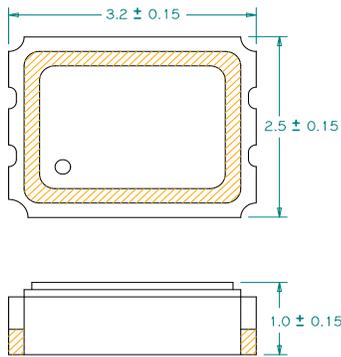
Product Description

The UX31/UX321 XO series is a high performance CMOS crystal oscillator family with ultra low jitter performance. It supports various options including wider frequency range, 1.8V/2.5V/3.3V voltage, and various stabilities. It is designed to meet the clock source specifications for communication systems, and other high performance equipment.

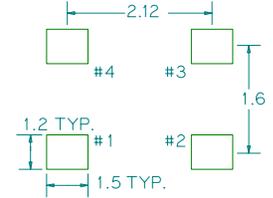
Applications

- Networking systems
- Servers and storage systems
- Profession video equipments
- Test and measurement
- FPGA/ASIC clock generation

Package: (Scale: none; dimensions are in mm)



Recommended Land Pattern:



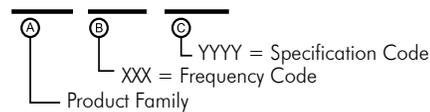
*Extended high frequency power decoupling is recommended (see test circuit for minimum recommendation). To ensure optimal performance, do not route RF traces beneath the package.

Pin Functions:

Pin	Function
1	OE
2	Ground
3	Output
4	V _{DD}

Part Ordering Information Category 1:

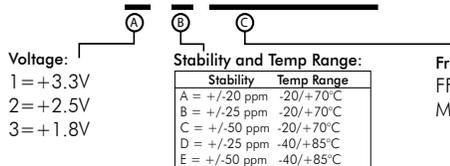
UX31 XXX YYY



*Not for all frequencies in the frequency range. Please contact sales for details.

Part Ordering Information Category 2:

UX 321 V I FFFF.FFFFFFFF



Voltage:
 1 = +3.3V
 2 = +2.5V
 3 = +1.8V

Stability and Temp Range:

Stability	Temp Range
A = +/-20 ppm	-20/+70°C
B = +/-25 ppm	-20/+70°C
C = +/-50 ppm	-20/+70°C
D = +/-25 ppm	-40/+85°C
E = +/-50 ppm	-40/+85°C

Frequency:
 FFFFFFFF
 MHz, "4 digits/decimal/6 digits" format