

## 2.5V/3.3V CMOS XO

# JX501



5.0 x 3.2mm Ceramic SMD

### Product Features

- Very low phase jitter - 0.8ps RMS typical
- Thicker crystal for improved reliability
- Low supply current - 45mA max.
- Industrial Temperature Range
- Pb-free & RoHS compliant
- Fast lead time

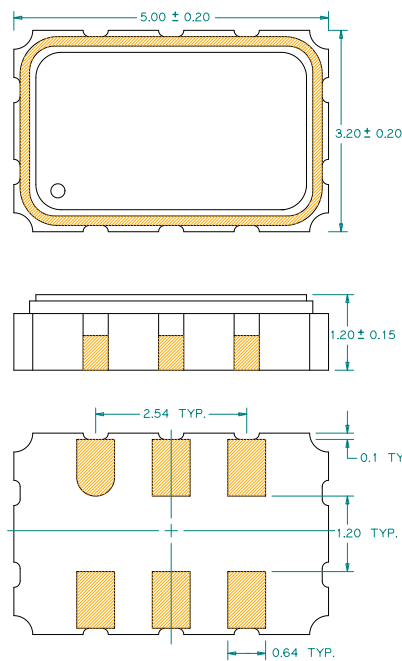
### Product Description

The JX501 XO series is a high performance CMOS crystal oscillator family with very low jitter performance. It supports various options including wider frequency range, 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.

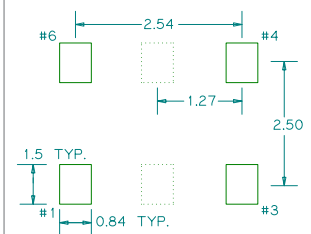
### Applications

- 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:



\*Note: pads 2 and 5 are optional (shown as dotted lines). XO's are designed to fit on industry standard, 4 pad layouts.

### Pin Functions:

Pin	Function
1	OE Function
2	N/C
3	Ground
4	Output
5	N/C
6	V <sub>DD</sub>

\*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.

### Part Ordering Information:

**JX 501** **V** **1** **FFFF.FFFFFF**

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

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:

FFFF.FFFFFF

MHz, "4 digits/decimal/6 digits" format