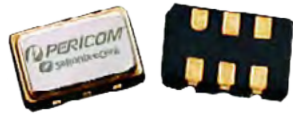


2.5V/3.3V CMOS FS XO

NX31SB



3.2 x 2.5mm Ceramic SMD

Product Features

- 4 selectable output frequencies
- Very low phase jitter - < 1.0ps RMS max.
- Wide frequency range - 5 ~ 250MHz
- Thicker crystal for improved reliability
- Low supply current - 60mA max.
- Industrial Temperature Range
- Pb-free & RoHS compliant
- Fast lead time

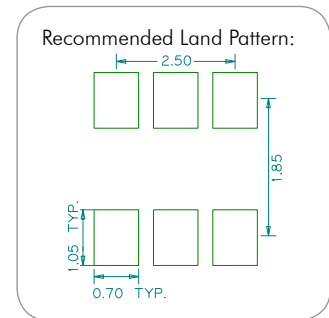
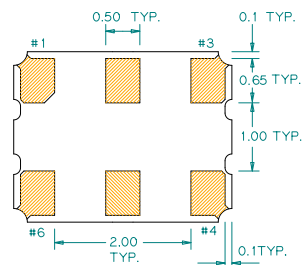
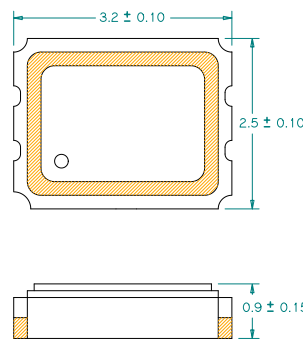
Product Description

The NX31SB XO series is a high performance LVC MOS crystal oscillator family with very low jitter performance. Depending on customers' needs, this family devices can support 4 different frequencies using the FS select pins. 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)



Pin Functions:

Pin	Function
1	FS1
2	FS0
3	Ground
4	Output
5	NC
6	V _{DD}

Frequency Select Table:

FS0	FS1	Output
0	0	Freq. 1*
0	1	Freq. 2*
1	0	Freq. 3*
1	1	Freq. 4*

*Freq. 1, Freq. 2, Freq. 3, Freq. 4 can be any frequencies within the output frequency range.

*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:

NX 31 SB XXXX

