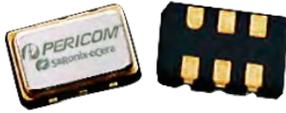


2.5V/3.3V Frequency & Logic Selection XO

NX50SB



5.0 x 3.2mm Ceramic SMD

Product Features

- Programming capability & short lead time
- Available CML, LVPECL, LVDS, HCSL and CMOS output
- Very low phase jitter - < 1.0ps RMS max.
- Wide frequency range - 5 ~ 1000MHz
- Thicker crystal for improved reliability
- Low supply current - 80mA max.
- Industrial Temperature Range
- Pb-free & RoHS compliant

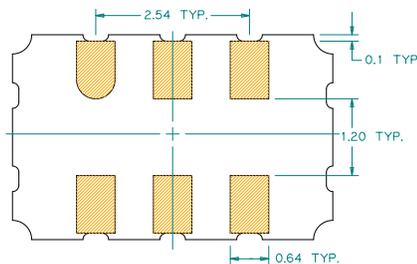
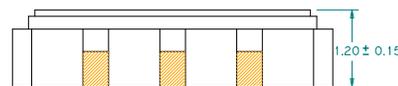
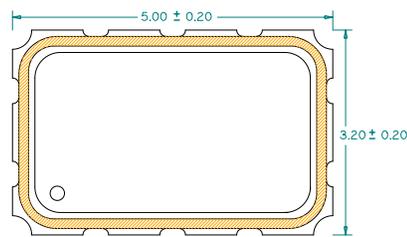
Product Description

The NX50SBXO series is a high performance & programmable crystal oscillator family with very low jitter capability. Depending on customers' needs, this family devices can support different Logical types between CML, LVPECL, LVDS, HCSL and CMOS. 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.

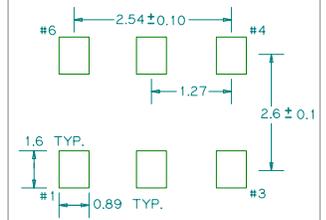
Applications

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

Package: (Scale: none, Dimensions are in mm)



Recommended Land Pattern:



Pin Functions:

Pin	Function
1	FS1
2	FS0
3	Ground
4	Q
5	\bar{Q}
6	V _{CC}

Frequency Select Table:

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

*The output 1 to 4 are flexible can be any frequencies within the range, it could be the different clock type by customer request.

*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 50 SB XXXX

