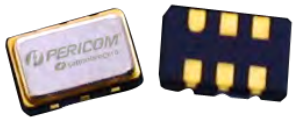
PERICOM saRonix-eCera

High Temperature LVPECL Crystal Oscillator 3.2 x 2.5mm

2.5V/3.3V LVPECL XO

HX322



3.2 x 2.5mm Ceramic SMD

Product Features

- Support high temperature up to 125°C
- Low phase jitter - < 1ps RMS max.
- Wide frequency range - 25 ~ 161MHz
- AEC-Q200 (Grade 1) compliant
- Pb-free & RoHS compliant

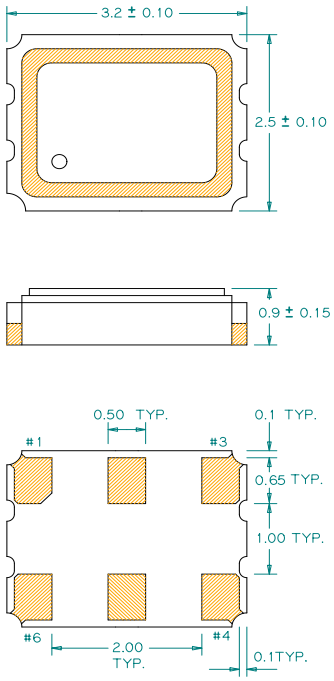
Product Description

The HX322 XO series is a high performance LVPECL crystal oscillator family that supports high temperature with very low jitter performance. It supports various options including wider frequency range, 2.5V/3.3V voltage, and various stabilities over wide temperature range. It is designed to meet the clock source specifications for communication systems, Industrial applications and other high performance equipment.

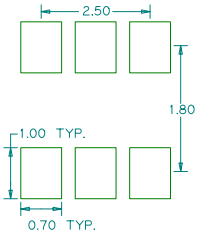
Applications

- Networking and communication systems
- Industrial and outdoor systems
- Storage and server systems
- Automotive devices
- Fanless systems in harsh environment
- Profession video equipments
- Test and measurement equipments

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



Recommended Land Pattern:



Pin Functions:

Pin	Function
1	OE Function
2	N/C
3	Ground
4	Q
5	$\overline{Q}$
6	V_{CC}

*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:

HX 322 V I FFFF.FFFFFF

(A) (B) (C)

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

Stability and Temp Range:

Stability	Temp Range
A = +/-25 ppm	-40/+90°C
B = +/-30 ppm	-40/+100°C
C = +/-30 ppm	-40/+105°C
D = +/-50 ppm	-40/+90°C
E = +/-50 ppm	-40/+100°C
F = +/-50 ppm	-40/+105°C
G = +/-70 ppm	-40/+125°C
H = +/-100 ppm	-40/+125°C

Frequency:
FFFF.FFFFFF
MHz, "4 digits/decimal/6 digits" format