



Product Overview

NBXSBB024: Crystal Oscillator Clock Module, PureEdge™, 622.08 MHz LVPECL, 2.5 V / 3.3 V

[For complete documentation, see the data sheet](#)

Product Description

The NBXSBA024, single frequency, crystal oscillator (XO) is designed to meet today's requirements for 2.5 V / 3.3 V LVPECL clock generation applications. The device uses a high Q fundamental mode crystal and Phase Lock Loop (PLL) multiplier to provide 622.08 MHz, ultra low jitter and phase noise LVPECL differential output. This device is a member of ON Semiconductor's PureEdge™ clock family that provides accurate and precision clock solutions. Frequency stability options available as either ± 50 PPM NBXSBA024/NBXMBA024 (Industrial Temperature Range) or ± 20 PPM NBXSBB024 (Commercial Temperature Range). Available in 5 mm x 7 mm SMD (CLCC) package on 16 mm tape and reel in quantities of 1,000 and 100.

Features

- LVPECL Differential Output
- Uses High Q Fundamental Mode Crystal and PLL Multiplier
- Ultra Low Jitter and Phase Noise 0.5 ps (12 kHz to 20 MHz)
- Output Frequency 622.08 MHz
- Operating Range: 2.5 V $\pm 5\%$ or 3.3 V $\pm 10\%$
- Total Frequency Stability ± 20 PPM; ± 50 PPM
- This is a PbFree Device

Applications

- SONET Line Card
- Networking
- Optical Systems

For more information please contact your local sales support at www.onsemi.com

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