



Product Overview

NBXSPA022: Clock Oscillator Module, PureEdge™, 187.50 MHz LVDS, 2.5 V / 3.3 V

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

Product Description

The NBXSPA022 single frequency crystal oscillator (XO) is designed to meet today's requirements for 2.5 V and 3.3 V LVDS clock generation applications. The device uses a high Q fundamental crystal and Phase Lock Loop (PLL) multiplier to provide 187.5 MHz, ultra low jitter and phase noise LVDS differential output. This device is a member of ON Semiconductor's PureEdge™ clock family that provides accurate and precision clock solutions.

Features

- LVDS 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 187.5 MHz
- Operating Range: 2.5 V +/-5% or 3.3 V +/-10%
- Total Frequency Stability +/-50 ppm
- This is a PbFree Device

Applications

- 12 Gb/s Ethernet Clock

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

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