



Product Overview

NBVSPA019: Crystal Oscillator Module, Voltage Controlled, PureEdge®, 125.00 MHz LVDS, 3.3 V

For complete documentation, see the data sheet

Product Description

The NBVSPXXXX voltage controlled crystal oscillator (VCXO) devices are designed to meet today's requirements for 3.3 V LVDS clock generation applications. These devices use a high Q fundamental mode crystal and Phase Locked Loop (PLL) multiplier to provide a wide range of frequencies from 60 MHz to 700 MHz (factory configurable per user specifications) with a pullable range of ± 100 ppm and a frequency stability of ± 50 ppm. The silicon based PureEdge™ products design provides users with exceptional frequency stability and reliability. They produce an ultra low jitter and phase noise LVDS differential output. The NBVSPXXXX series devices are a member of ON Semiconductors PureEdge™ clock family that provides accurate and precision clock generation solutions.

Features	Benefits
<ul style="list-style-type: none">• Ultra Low Jitter and Phase Noise 0.5 ps (12 kHz to 20 MHz)• LVDS Differential Output• Pullable Range Minimum of ± 100 ppm• Control Voltage with Positive Slope• Voltage Control Linearity of $\pm 10\%$• Frequency Stability of ± 50 ppm• Operating Range: 3.3 V $\pm 10\%$	<ul style="list-style-type: none">• Improves system timing budget

Applications	End Products
<ul style="list-style-type: none">• Networking• Wireless telecommunications	<ul style="list-style-type: none">• 1/10G Ethernet• Line Card Clock

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

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