



Product Overview

**NBXDBA014: Crystal Oscillator Module, PureEdge®, 62.5 MHz / 125 MHz FibreChannel LVPECL, 3.3 V**

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

**Product Description**

The NBXDBA014 dual frequency crystal oscillator (XO) is designed to meet today's requirements for 3.3V LVPECL clock generation applications. The device uses a high Q fundamental crystal and Phase Lock Loop (PLL) multiplier to provide selectable 62.5 MHz or 125 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.

**Features**

- LVPECL Differential Output
- Uses High Q Fundamental Mode Crystal and PLL Multiplier
- Ultra Low Jitter and Phase Noise - 0.4 ps (12 kHz - 20 MHz)
- Selectable Output Frequency - 62.5 MHz / 125 MHz
- Hermetically Sealed Ceramic SMD Package
- Operating Range 3.3 V +/-10%

Applications	End Products
--------------	--------------

- |   |  |
|---|--|
| <ul style="list-style-type: none"><li>• Fiber Distributed Data Interface</li><li>• Ethernet, Gigabit Ethernet</li><li>• Infiniband</li><li>• PCIe</li></ul> | <ul style="list-style-type: none"><li>• Host Bus Adapter</li><li>• RAID Controller</li></ul> |
|---|--|

For more information please contact your local sales support at [www.onsemi.com](http://www.onsemi.com)

Created on: 7/11/2015