



Product Overview

NBXDBA015: Crystal Oscillator Module, PureEdge®, 200 MHz / 206.9 MHz LVPECL, 3.3 V

For complete documentation, see the data sheet

Product Description

The NBXDBA015/NBXDBB015 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 200.0 MHz or 206.9 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. Available in 5 mm x 7 mm SMD (CLCC) package on 16 mm tape and reel in quantities of 1,000. Frequency stability options available as either 50 PPM NBXDBA015 or 20 PPM NBXDBB015.

Features	Benefits
<ul style="list-style-type: none"><li>• LVPECL Differential Output with selectable 200.0 MHz (Default) or 206.9 MHz</li><li>• Uses High Q Fundamental Mode Crystal and PLL Multiplier</li><li>• Ultra Low Jitter and Phase Noise - 0.4 ps (12 kHz - 20 MHz)</li><li>• Operating Range 3.3 V 10%</li></ul>	<ul style="list-style-type: none"><li>• BOM simplification and improved system reliability</li></ul>

Applications	End Products
<ul style="list-style-type: none"><li>• General Purpose Clock Generation and Margining</li></ul>	<ul style="list-style-type: none"><li>• Servers</li><li>• Basestations</li></ul>

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

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