



Product Overview

NBXSBA031: Clock Oscillator Module, PureEdge®, 340 MHz LVPECL, 2.5 V / 3.3 V

For complete documentation, see the data sheet

Product Description

The NBXSBA031, single frequency, crystal oscillator (XO) is designed to meet today's requirements for 2.5/3.3 V LVPECL clock generation applications. The device uses a high Q fundamental crystal and Phase Lock Loop (PLL) multiplier to provide 340.00 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 100 and 1,000.

Features	Benefits
<ul style="list-style-type: none">• Uses High Q Fundamental Mode Crystal and PLL Multiplier• Operating Range: 2.5 V +/-5% or 3.3 V +/-10%• LVPECL Differential Output• Ultra Low Jitter and Phase Noise 0.4 ps (12 kHz 20 MHz)• Output Frequency 340.00 MHz• Total Frequency Stability +/-50 PPM• This is a PbFree Device	<ul style="list-style-type: none">• Improved Reliability• BOM Simplification

Applications	End Products
<ul style="list-style-type: none">• Networking• Storage• Wireless Radio Communications	<ul style="list-style-type: none">• Networking Switch

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

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