



Product Overview

NBXDBB018: Clock Oscillator Module, PureEdge®, 155.52 MHz / 311.04 MHz LVPECL, 3.3 V

For complete documentation, see the data sheet

Product Description

The NBXDBB018 dual frequency crystal oscillator (XO) is designed to meet todays 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 155.52 MHz or 311.04 MHz, ultra low jitter and phase noise LVPECL differential output. This device is a member of ON Semiconductors 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 1000. Frequency stability options available as either 50 PPM NBXDBA018 or 20 PPM NBXDBB018.

Features	Benefits
<ul style="list-style-type: none">• Selectable Output Frequency - 155.52 MHz (default) / 311.04 MHz• 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)• Operating Range 3.3 V 10%• Total Frequency Stability - +/-20PPM or +/-50PPM	<ul style="list-style-type: none">• BOM simplification and improved system reliability

Applications	End Products
<ul style="list-style-type: none">• Clock Generation for SONET/SDH• Networking	<ul style="list-style-type: none">• Networking Switch• Router Line Card

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

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