



## Product Overview

### **NBXDPA012: Crystal Oscillator Module, PureEdge™, 106.25 MHz / 212.50 MHz LVPECL, 2.5 V / 3.3 V**

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

#### **Product Description**

The NBXDPA012 dual frequency crystal oscillator (XO) is designed to meet today's requirements for 2.5 V and 3.3 V LVDS clock generation applications. The device uses a high Q fundamental crystal and Phase Lock Loop (PLL) multiplier to provide selectable 106.25 MHz or 212.5 MHz, ultra low jitter and phase noise LVDS differential output. This device is a member of ON Semiconductor's PureEdge™ clock family that provides accurate and precision clock solutions.

#### **Features**

- LVDS Differential Output
- Uses High Q Fundamental Mode Crystal and PLL Multiplier
- Ultra Low Jitter and Phase Noise 0.4 ps (12 kHz to 20 MHz)
- Selectable Output Frequency 106.25 MHz (default) / 212.5 MHz
- Operating Range: 2.5 V 5% or 3.3 V 10%
- Total Frequency Stability +/-50 ppm

#### **Applications**

- 1x and 2x Fiber Channel
- Host Bus Adapter

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

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