



## Product Overview

### NBXSBA045: Crystal Oscillator Module, PureEdge™, 345.00 MHz, 2.5 V / 3.3 V

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

#### Product Description

The NBXSBA045, 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 345.00 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

- 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 to 20 MHz)
- Output Frequency 345.00 MHz
- Total Frequency Stability +/-50 PPM

#### Benefits

- Improved System Reliability
- BOM Simplification

#### Applications

- Networking
- Storage

#### End Products

- Internet Modular Switches

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