

Silicon-Based Crystal Oscillator Clock Module Line Adds Dual Voltage Capabilities



ON Semiconductor extended its silicon based crystal oscillator (XO) clock module range. Six additions to the NBX Series provide a high accuracy reference clock solution with dual voltage capabilities and total frequency stability as low as ± 20 parts per million (ppm). The new devices meet clock generation requirements in the latest 2.5 V/3.3 V low-voltage positive emitter coupled logic (LVPECL) designs for applications in routers, switches, servers, and basestations. The new devices support frequencies for applications such as SONET, Gigabit Ethernet, and LAN/WLAN. According to the company, the NBX Series offers equivalent or better performance compared to quartz-based third overtone XOs or surface acoustic wave (SAW) products. This is underlined by ultra-low phase noise of -160 decibels relative to the carrier per hertz (dBc/Hz), typical RMS phase jitter of 0.5 picoseconds (ps), and a low bit error rate.

ON Semiconductor

800-282-9855, www.onsemi.com [1]

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