NeoPhotonics Announces General Availability of its ClearLight™ CFP-DCO Coherent Transceiver

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100G Coherent Pluggable Module Platform Based on Field-Proven, Highly Reliable Components for DCI, Metro and Long-Haul

SAN JOSE, Calif., Feb. 28, 2018 /PRNewswire/ -- NeoPhotonics Corporation (NYSE: NPTN), a leading designer and manufacturer of advanced hybrid photonic integrated circuit based modules and subsystems for bandwidth-intensive, high speed communications networks, today announced that its ClearLight™ CFP-DCO module, part of its ClearLight™ Coherent Module platform, has reached general availability. The ClearLight™ CFP-DCO is currently qualified at several customers and commercial shipments commenced in the fourth quarter of 2017. The DCO Platform uses the advanced commercial 16nm Digital Signal Processors (DSPs), and is capable of single wavelength 100 Gbps transmission over Datacenter Interconnect through Long Haul transmission distances, and is the solution of choice for applications utilizing existing client CFP slots or OEMs looking for a "turn-key" implementation.

NeoPhotonics' ClearLight™ CFP-DCO is fully compliant with the "CFP MSA Management Interface Specification Version 2.0 r09" and utilizes high performance, high volume optical components with field-proven reliability. In particular, NeoPhotonics high power external cavity ultra-narrow linewidth tunable laser and its high responsivity coherent receiver enable the elimination of an EDFA and result in higher transmitter OSNR, which enables longer transmission distances and CDC ROADM operations. The 100Gbps version uses a standard 100GE or OTU-4 interface which can plug directly into existing 100G CFP client-side slots to extend the range and capacity for metro and DCI applications. The module incorporates standard hard decision staircases forward error correction for interoperability, as well as proprietary soft decision forward error correction for high performance applications.

"The general availability of our ClearLight™ CFP-DCO pluggable Coherent transponder represents a significant step forward for NeoPhotonics," said Tim Jenks, Chairman and CEO of NeoPhotonics. "Customers can now directly access the performance of our high volume coherent optical components in combination with the leading commercial DSP electronics in a standard pluggable package," continued Mr. Jenks.

NeoPhotonics will exhibit its CFP-DCO module and its suite of coherent components for 600G and 1.2T at the OFC Optical Networking and Communication Conference & Exhibition in Booth 3322 in San Diego, March 13th to 15th, along with its broad family of products for high speed applications.

About NeoPhotonics

NeoPhotonics is a leading designer and manufacturer of hybrid photonic integrated optoelectronic modules and subsystems for bandwidth-intensive, high-speed communications networks. The Company’s products enable cost-effective, high-speed data transmission and efficient allocation of bandwidth over communications networks. NeoPhotonics maintains headquarters in San Jose, California and ISO 9001:2000 certified engineering and manufacturing facilities in Silicon Valley (USA), Japan and China. For additional information visit https://www.neophotonics.com.

Safe Harbor Statement Under the Private Securities Litigation Reform Act of 1995

This press release includes statements that qualify as forward-looking statements under the Private Securities Litigation Reform Act of 1995, including those related to industry trends and expected demand for Coherent and other high speed network applications. Readers are cautioned that these forward-looking statements involve risks and uncertainties and are only predictions based on the company's current expectations, estimates and projections about their respective industry and business, management's beliefs, and certain assumptions made by the company, all of which are subject to change and which may differ materially from actual future events or results. The actual company results and the timing of events could differ materially from those anticipated in such forward-looking statements as a result of these risks, uncertainties and assumptions. Certain risks and uncertainties that could cause the company’s results to differ materially from those expressed or implied by such forward-looking statements as well as other risks and uncertainties relating to the company's business, are described more fully in the Company's Annual Report on Form 10-K for the year ended December 31, 2016, as well as in the Company Quarterly Reports on Form 10-Q for the three month periods ended March 31, 2017, June 30, 2017 and September 30, 2017, filed with the Securities and Exchange Commission.

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