



Oclaro Announces Availability of Its 100G PAM4 EML Lasers to Meet Growing Demand for 400G High-Speed Interconnects

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100G/200G/400G Transceivers in the Data Center Require PAM4-Compatible High-Speed Laser Chips

SAN JOSE, Calif., March 6, 2018 /PRNewswire/ -- [Oclaro, Inc.](#) (NASDAQ: OCLR), a leading provider and innovator of optical communications solutions, today announced general market availability of its 100G PAM4 EA-DFB EML chips for next-generation transceiver applications. Oclaro's EML chips operating at 53 Gbaud with up to 40GHz bandwidth (@ 20°C) and 6dB extinction ratio (@70°C) are ideal for use in pulse amplitude modulation-based (PAM4) transceivers, enabling 100 Gbps per wavelength. Combining high-performance and low power consumption, Oclaro's EML chips pave the way for the next wave of 200 Gbps and 400 Gbps in data center networks.

Oclaro also announced additional wafer fab capacity upgrades for DML and EML laser production, providing greater availability for its world-class components. This newly installed production capacity will enable Oclaro to satisfy the increasing demand for cost-effective high-speed transceivers.

"Oclaro's proven laser technology has been the benchmark for high-performance and reliability, and is ideally suited to support the PAM4 modulation formats used to deliver higher-speed networks affordably," said Yves LeMaitre, Chief Strategy Officer of Oclaro. "With the explosive growth of large scale data centers, the demand for these lasers has never been greater and by increasing our manufacturing capacity, Oclaro can ensure its customers have the supply they need to be successful."

About the EML and DML Lasers

Oclaro's high-speed 25G DML chips are well suited for 100 Gbps CWDM4 transceivers and have been produced in high volume for the last two years. They can also be used in low-cost SFP28 modules and other 25 Gbps products for high-volume, low-cost applications. Oclaro's EML devices provide the high bandwidth and linearity needed for next-generation 200 Gbps and 400 Gbps transceivers using PAM4, while still maintaining small size and low cost.

Oclaro's laser chips support both CWDM4 and LAN-WDM wavelength standards, and in many applications, uncooled operation and non-hermetic packaging can be employed for low-cost, high performance module solutions, including PAM4 transceivers for higher data rates.

Oclaro's 100 Gbps PAM4 EML chips are ready for sampling today.

About Oclaro

Oclaro, Inc. (NASDAQ: OCLR), is a leader in optical components and modules for the long-haul, metro and data center markets. Leveraging more than three decades of laser technology innovation and photonics integration, Oclaro provides differentiated solutions for optical networks and high-speed interconnects driving the next wave of streaming video, cloud computing, application virtualization and other bandwidth-intensive and high-speed applications. For more information, visit www.oclaro.com or follow on Twitter at @OclaroInc.

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