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November 15, 2016

MACOM Announces Volume Production of 25Gbps Laser Family for High-Volume, Cost-Sensitive 100G Optical Markets

Leveraging Etched Facet Technology, the 25Gbps family of lasers deliver price, performance and capacity into Cloud Data Center, 5G-LTE and 100G PON applications

LOWELL, Mass.--(BUSINESS WIRE)-- MACOM Technology Solutions Inc. ("MACOM"), a leading supplier of high-performance analog, RF, microwave, millimeterwave and photonic semiconductor products, announced its family of industry leading 25Gbps lasers for Data Center, Mobile infrastructure and Fiber to the home (FTTH) applications.

This Smart News Release features multimedia. View the full release here:

<http://www.businesswire.com/news/home/20161115006707/en/>



Cloud Data Center infrastructure is proliferating at a staggering pace, driven by exponential data traffic growth and the hyperscale elasticity needed to accommodate surging cloud compute workloads and long-term capacity plans. The insatiable global demand for online multimedia and mobile data created almost 5 trillion gigabytes of data center traffic in 2015 alone. To meet this burgeoning demand, hyperscale data centers have leveraged inexpensive computing power sewn together by optical fiber connectivity and brought to life by extremely high-speed, power efficient lasers.

In markets where EFT can bring disruptive economics to bear, it will play a pivotal role in achieving the cost thresholds to enable mainstream deployment. (Graphic: Business Wire)

Leveraging Etched Facet Technology (EFT) and its commercial scale manufacturing capability, MACOM expects to capitalize on the 100G technology opportunity in Cloud Data Centers by replicating the significant cost structure reductions for lasers it has previously achieved in PON.

The [127/129/131/133D-25G-LCT11](#) and [1295/1300/1304/1309-25B-LCT11-S](#) families of 25Gbps lasers serve the CWDM and LAN-WDM Data Center applications respectively. The [131D-25I-LT5TC](#) family of TO packaged 25Gbps laser products service the 5G-LTE and 100G PON applications. MACOM's TO package is a robust, high-speed package design that enables the full utilization of laser bandwidth with efficient heat dissipation.

These families of products leverage MACOM's patented EFT technology which, when combined with its in-house wafer scale Indium Phosphide manufacturing, are expected to provide a cost and capacity advantage previously unachievable by incumbent laser suppliers. Coupled with MACOM's driver [MAOM-2304](#), this laser family can offer a complete solution that enables customers to address their Data Center, Mobile and FTTH needs.

"With this industry leading family of lasers, MACOM continues to expand its leadership footprint beyond just RF & microwave and into photonics, and we believe key OEMs have taken notice, viewing us a key strategic supplier providing them all the critical technology and products at the necessary cost and capacity to enable their Cloud Data Center, Mobile and FTTH applications," said Dr. Alex Behfar, Senior Vice President and Chief Scientist, Photonic Solutions at MACOM. "In markets where EFT can bring disruptive economics to bear, we believe it will play a pivotal role in achieving the cost thresholds to enable mainstream deployment. We have already proven our ability to service high volume cost competitive markets such as PON, and with our 25Gbps laser family we believe we are well positioned to become a preeminent supplier of lasers into these high volume markets."

Product information for the Family of 25Gbps lasers can be obtained from the MACOM website at:

www.macom.com/25GLasers.

ABOUT MACOM

MACOM enables a better-connected and safer world by delivering breakthrough semiconductor technologies for optical, wireless and satellite networks that satisfy society's insatiable demand for information.

Today, MACOM powers the infrastructure that millions of lives and livelihoods depend on every minute to communicate, transact business, travel, stay informed and be entertained. Our technology increases the speed and coverage of the mobile Internet and enables fiber optic networks to carry previously unimaginable volumes of traffic to businesses, homes and Data Centers.

Keeping us all safe, MACOM technology enables next-generation radars for air traffic control and weather forecasting, as well as mission success on the modern networked battlefield.

MACOM is the partner of choice to the world's leading communications infrastructure, aerospace and defense companies, helping solve their most complex challenges in areas including network capacity, signal coverage, energy efficiency and field reliability, through its best-in-class team and broad portfolio of analog RF, microwave, millimeterwave and photonic semiconductor products.

MACOM is a pillar of the semiconductor industry, thriving for more than 60 years of daring to change the world for the better, through bold technological strokes that deliver true competitive advantage to customers and superior value to investors. Headquartered in Lowell, Massachusetts, MACOM is certified to the ISO9001 international quality standard and ISO14001 environmental management standard. MACOM has design centers and sales offices throughout North America, Europe, Asia and Australia.

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For more information about MACOM, please visit www.macom.com follow [@MACOMtweets](https://twitter.com/MACOMtweets) on Twitter, join MACOM on [LinkedIn](#), or visit the MACOM [YouTube Channel](#).

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<http://www.macom.com/purchases>

Special Note Regarding Forward-Looking Statements

This press release contains forward-looking statements based on MACOM management's beliefs and assumptions and on information currently available to our management. Forward-looking statements include, among others, information concerning our expectations regarding global demand trends, the performance and prospects for our new family of lasers, our related cost structure and capacity advantage and any other statements regarding future trends, business strategies, competitive position, industry conditions, acquisitions and market opportunities. Forward-looking statements include all statements that are not historical facts and generally may be identified by terms such as "anticipates," "believes," "could," "estimates," "expects," "intends," "may," "plans," "potential," "predicts," "projects," "seeks," "should," "will," "would" or similar expressions and the negatives of those terms.

Forward-looking statements contained in this press release reflect MACOM's current views about future events and are subject to risks, uncertainties, assumptions and changes in circumstances that may cause those events or our actual activities or results to differ materially from those expressed in any forward-looking statement. Although MACOM believes that the expectations reflected in the forward-looking statements are reasonable, it cannot and does not guarantee future events, results, actions, levels of activity, performance or achievements. Readers are cautioned not to place undue reliance on these forward-looking statements. A number of important factors could cause actual results to differ materially from those indicated by the forward-looking statements, including the potential for lower than expected market reception for these products, lower than expected manufacturing yields or outputs, higher than expected manufacturing costs, and those factors described in "Risk Factors" in MACOM's filings with the Securities and Exchange Commission (SEC), including its Quarterly Report on Form 10-Q for the fiscal quarter ended July 1, 2016, as filed with the SEC on July 27, 2016 and its Annual Report on Form 10-K for the fiscal year ended October 2, 2015 as filed with the SEC on November 24, 2015. MACOM undertakes no obligation to publicly update or revise any forward-looking statement, whether as a result of new information, future events or otherwise.

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Source: MACOM Technology Solutions Holdings, Inc.

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