
MACOM Announces New Family of Drivers for Single-Lambda 100G and 400G Applications

- *The MAOM-005321, MAOM-005421, MAOM-005324 and MAOM-005424 are high-performance, low power, low cost solutions for 100G DR1/FR1 and 400G DR4/FR4*
- *2nd Generation of drivers for EML and SiPh based transmitters feature high gain, high output voltage and low power*
- *Low-cost SMT packaged solutions with integrated ac coupling caps and bias chokes expected to reduce assembly challenges and help increase yields at module level*

Lowell, Massachusetts, March 4, 2019– [MACOM Technology Solutions](#)

[Inc.](#) (“MACOM”) today announced the availability of a new family of drivers for Single-Lambda 100G and 400G applications. These 2nd generation EML and Silicon Photonic drivers provide high performance in low cost SMT packaging, required for 100G DR1/FR1 and 400G DR4/FR4 applications. The family includes:

- [MAOM-005321](#): Single-channel EML driver in 3x4mm package
- [MAOM-005324](#): Single-channel Silicon Photonics driver in 3x4mm package
- [MAOM-005421](#): Quad-channel EML driver in 7x7.2mm package
- [MAOM-005424](#): Quad-channel Silicon Photonics driver in 5x6mm package

In order to meet the increasing demand for higher data capacity, telecom manufacturers need high performance 100G per lambda connectivity solutions available at a mainstream low cost. MACOM’s new family of linear drivers featuring high output voltage and low power consumption are poised to enable the industry’s shift to Single-Lambda based 100G and 400G modules. The high gain, high bandwidth and low THD enable best-in-class PAM-4 performance, while the high output voltage capability enables high yielding solutions with a wide range of optical engines.

“To date we’ve had multiple design wins at 100G and 400G, and with customers expected to ramp, MACOM’s goal is to continue our leadership in the datacom segment by providing optimal driver solutions to our customers,” said Rajiv Somisetty, Senior Product Marketing Manager at MACOM. “Our new driver family underscores our ability to do exactly that. Whether it’s an EML or SiPh based module solution our customer is working on, MACOM’s second-generation driver family with improved performance at lower cost is the ideal solution.”

MACOM's MAOM-005321 and MAOM-005421 EML drivers feature differential inputs and up to 1.8Vpp linear single-ended output with integrated bias-Ts for the driver and EML. The MAOM-005324 and MAOM-005424 Silicon Photonics MZ drivers feature differential inputs and up to 3.6Vpp differential output with direct coupling to the modulator for minimum loss and optimum performance.

MACOM's new EML drivers offer pin-to-pin compatibility with the 1st generation MAOM-005311 and MAOM-005411 devices and can be bundled with the single and quad-channel linear TIAs MATA-005817 and MATA-003819 for a complete receive and transmit solution.

More information on MACOM's new family of drivers, along with the complete portfolio of products for optical communications and the InnovationZone featuring leading industry solutions, will be available at OFC 2019, MACOM Booth #2739, March 5th-7th in San Diego. To make an appointment, contact your local sales representative. For more information on MACOM's optical networking solutions visit: www.macom.com/applications/optical-networking.

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 datacenters.

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 and Asia.

MACOM, M/A-COM, M/A-COM Technology Solutions, M/A-COM Tech, Partners in RF & Microwave, The First Name in Microwave and related logos are trademarks of MACOM. All other trademarks are the property of their respective owners.

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

SPECIAL NOTE REGARDING FORWARD-LOOKING STATEMENTS:

This press release contains forward-looking statements based on MACOM's beliefs and assumptions and on information currently available to MACOM. These forward-looking statements 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, but not limited to, those factors described in "Risk Factors" in MACOM's Annual Report on Form 10-K, Quarterly Reports on Form 10-Q and other filings with the Securities and Exchange Commission. MACOM undertakes no obligation to publicly update or revise any forward-looking statement, whether as a result of new information, future events or otherwise.

DISCLAIMER FOR NEW PRODUCTS:

Any express or implied statements in MACOM product announcements are not meant as warranties or warrantable specifications of any kind. The only warranty MACOM may offer with respect to any product sale is one contained in a written purchase agreement between MACOM and the purchaser concerning such sale and signed by a duly authorized MACOM employee, or, to the extent MACOM's purchase order acknowledgment so indicates, the limited warranty contained in MACOM's standard Terms and Conditions for Quotation of Sale, a copy of which may be found at: <http://www.macom.com/partner-login>

FOR SALES INFORMATION, PLEASE CONTACT:

North Americas -- Phone: 800.366.2266

Europe -- Phone: +353.21.244.6400

India -- Phone: +91.80.43537383

China -- Phone: +86.21.2407.1588

MEDIA CONTACTS:

Ozzie Billimoria
MACOM Technology Solutions Inc.
978-656-2896
ozzie.billimoria@macom.com

Colin Boroski
Rainier Communications
508-475-0025 x142
cboroski@rainierco.com

Anja-Maria Hastenrath
embedded PR
+49 (0)89 64913634-11
ah@embedded-pr.de