

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

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- *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, Mass.--(BUSINESS WIRE)--Mar. 4, 2019-- [MACOM Technology Solutions Inc.](https://www.businesswire.com/news/home/20190304005251/en/) ("MACOM") today announced the availability of a new family of drivers for Single-Lambda 100G and 400G applications. These 2nd generation EML and Silicon Photonics drivers provide high performance in low cost SMT packaging, required for 100G DR1/FR1 and 400G DR4/FR4 applications. The family includes:

This press release features multimedia. View the full release here: <https://www.businesswire.com/news/home/20190304005251/en/>



- [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.

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"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.

