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MACOM Demonstrates Industry's First Linear EML Driver for 400Gbs Applications

MACOM's Linear EML Driver Enables 400 Gbps Using Higher Order Modulation Formats

LOWELL, Mass.--(BUSINESS WIRE)-- M/A-COM Technology Solutions Inc. ("MACOM"), a leading supplier of high-performance analog RF, microwave, and optical semiconductor products, today announced the newest additions to its portfolio of drivers for 100 Gbps and beyond Ethernet applications.

The MAOM-003115 is a very compact and high bandwidth linear EML driver which can deliver up to 2Vpp single-ended output. This surface mount device offers variable gain control and excellent linearity over the operating range. The driver has been used to demonstrate a 400 Gbps link over 2km of single-mode fiber (SMF) using 4 wavelengths running at 100 Gbps each.

Datacenter providers have challenged optical module vendors to provide a low power and low cost approach to 400G in a QSFP form factor to maximize port density in new mega datacenters. Higher order complex modulation schemes enable 100 Gbps data rates on a single wavelength using currently available optical components. A low power, linear driver is critical to achieving system level performance in these modules.

"We are proud to offer the industry's first linear EML driver for 400G applications," said Ray Moroney, Product Manager at MACOM. "This further expands MACOM's extensive portfolio of drivers for long haul, metro and data center applications."

A demonstration of the MAOM-003115 driver will be on display by appointment at the OFC tradeshow in Los Angeles from March 24-25, 2015. For more information about the MACOM linear driver, please visit booth 1947 at OFC and www.macom.com.

ABOUT MACOM

M/A-COM Technology Solutions Holdings, Inc. (www.macom.com) is a leading supplier of high-performance analog RF, microwave, millimeterwave and photonic semiconductor products that enable next-generation Internet and modern battlefield applications. Recognized for its broad catalog portfolio of technologies and products, MACOM serves diverse markets, including high speed optical, satellite, radar, wired & wireless networks, automotive, industrial, medical and mobile devices. A pillar of the semiconductor industry, we thrive on more than 60 years of solving our customers' most complex problems, serving as a true partner for applications ranging from RF to Light.

Headquartered in Lowell, Massachusetts, M/A-COM Tech is certified to the ISO9001 international quality standard and ISO14001 environmental management standard. M/A-COM Tech has design centers and sales offices throughout North America, Europe, Asia and Australia.

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