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MACOM Announces Industry's First 64 Gbaud Linear Modulator Driver for 400G and Beyond

MACOM's New MAOM-006428 to Demo at OFC 2016

LOWELL, Mass.--(BUSINESS WIRE)-- M/A-COM Technology Solutions Inc. ("MACOM"), a leading supplier of high-performance RF, microwave, millimeterwave and photonic semiconductor products, today announced the MAOM-006428, the industry's first 64 Gbaud quad-channel linear Mach Zehnder modulator driver. This device will support data rates of 400 Gbps and beyond on a single wavelength for long haul communications using coherent technology.

By increasing the data rate on a single wavelength, operators can increase capacity and reduce the overall cost-per-bit of transmission. Metro networks can use higher order modulation formats at 32 Gbaud to achieve this but these higher order modulation formats such as 32 and 64 QAM have very limited reach due to signal-to-noise requirements. Long haul networks therefore require the use of higher baud rates up to 64G to achieve data rates of 400G on a single wavelength.

MACOM's MAOM-006428 modulator driver features surface mount inputs and G3PO outputs to mate with the next generation high bandwidth modulator which is currently being standardized by the OIF. The device has linear performance to support higher order modulation formats with low power consumption and a compact form factor taking up < 275mm² of PCB real estate.

"We believe that the MAOM-006428, in addition to being the industry's first 64 Gbaud linear modulator driver, provides customers with a revolutionary package design that delivers the high performance required by 64 Gbaud in a cost effective form factor," said Ray Moroney, Direct of Product Marketing for High-Performance Analog at MACOM.

MACOM's MAOM-006428 will be on display for private demonstrations at OFC 2016, Booth #3101, March 22-24th in Anaheim, CA. To make an appointment, contact your local sales representative. For more information on MACOM's broad optical and photonic portfolio visit: <http://www.macom.com/opto-1>

ABOUT MACOM:

M/A-COM Technology Solutions Inc. (www.macom.com) is a leading supplier of high-performance analog RF, microwave, millimeter wave 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 and wireless networks, 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, 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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