



August 25, 2015

## **MACOM Extends Gigabit Passive Optical Network (GPON) Leadership with Next-Generation Ultra High Sensitivity Transimpedance Amplifier (TIA)**

*New GPON TIA Enables High-Performance, Lower Power Receiver Solution*

LOWELL, Mass.--(BUSINESS WIRE)-- M/A-COM Technology Solutions Inc. ("MACOM") (NASDAQ:MTSI), a leading supplier of high-performance analog, RF, microwave and optical semiconductor products, today announced the new M02027, next generation high-performance TIA targeted for GPON optical network unit (ONU) equipment.

MACOM's M02027 enables GPON receivers to utilize lower cost PIN photodiodes while offering performance margin in the stringent GPON BOSA-on-Board environment. The device delivers ultra high sensitivity with PIN photodiodes and wide dynamic operating range while offering the best in class power dissipation.

The M02027 is targeted toward GPON ONU, SONET, CPRI base station and SFF/SFP module applications. The device supports multi-data rates between 100 Mbps to 3.125 Gbps with wire bonding flexibility and a single supply of 3.3V. The M02027 provides customers with output data polarity invert function and output average photodiode current for photo-alignment and receiver signal strength indicator (RSSI) average power monitoring.

This new addition to the TIA product line complements MACOM's comprehensive PON product portfolio, which already includes high-performance laser diodes and highly integrated laser drivers with digital monitoring and dual-closed-loop operation for complete PON solutions.

"The new GPON ONU TIA offers superior optical sensitivity and overload performance with low cost PIN photodiode at best in class power dissipation," said Angus Lai, Director of Product Marketing, High-Performance Analog at MACOM. "We believe the M02027 offers a competitive cost-performance ratio and enables our customers to tackle fast growing GPON deployments."

The M02027 will be shown in private demonstrations for customers, partners, press and analysts at CIOE 2015, Booth #1B83, August 31-September 3 in Shenzhen, China. For more information or to schedule a demonstration, please contact your local MACOM sales representative.

MACOM is a leading supplier of optical networking products that enable the transition to 100G and beyond. By moving information from the core network to datacenters worldwide, MACOM has the deep product portfolio, technological capabilities, and optical networking expertise to accelerate speed-to-market, enabling FTTx and 10G-400G design and deployment.

The M02027 is in mass production now and available as bare die in waffle pack and wafer on grip frame. Datasheets and additional product information can be obtained from the MACOM website at: [www.macom.com](http://www.macom.com).

### **ABOUT MACOM**

M/A-COM Technology Solutions Holdings, Inc. ([www.macom.com](http://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, 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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Source: M/A-COM Technology Solutions Inc.

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