



April 13, 2016

MACOM Introduces 2nd Generation 12G-SDI Equalizer Family for Broadcast Video Applications at NAB 2016

The New MAEQ-23644/54/64 Family Breaks the 100m Cable Reach Barrier

LOWELL, Mass.--(BUSINESS WIRE)-- MACOM Technology Solutions Inc. ("MACOM"), a leading supplier of semiconductor solutions for broadcast video infrastructure, today introduced the MAEQ-23644A/54/64, a 2nd generation 12G Serial Digital Interface (SDI) equalizer family. These long reach adaptive devices offer advanced performance solutions for 4K broadcast video applications.

The [MAEQ-23644/54/64s](#) are multi-rate, highly integrated, adaptive cable equalizers with integrated relocker to support next generation SDI video. This family provides adaptive, low noise, high gain equalization for 75 ohms coaxial cable at data rates from 19 Mbps to 11.88 Gbps. These devices boast the ability to compensate for losses accumulated across cable lengths exceeding 100 meters when operating at 11.88 Gbps over Belden 1694A coaxial cable. To request more information, please [click here](#).

"MACOM's MAEQ-23644/54/64 is the industry's first family of 12G-SDI equalizers to achieve greater than 100 meters reach over a Belden 1694A cable," said Mike Fukatsu, Product Marketing Director, High-Performance Analog, at MACOM. "By achieving this milestone we believe we have demonstrated that 12G-SDI can cover the vast majority of existing installations, enabling broadcasters to carry baseband 4K video the same way they do with HD currently."

The second generation equalizer family is also footprint compatible with MACOM's first generation M23544/54/64 family of devices, offering existing customers an upgrade path for existing designs with minimal changes. Additionally, both the first and second generation 12G-SDI equalizer families are footprint compatible with MACOM's high-performance, low power 3G equalizer families, enabling customers to easily future proof their 3G-SDI designs for an easy migration to 12G.

The MAEQ-2344/54/64 equalizer family will be available for private demonstration at NAB 2016, Booth #N602, April 18-21st in the Las Vegas Convention Center. To make an appointment, contact your local sales representative. For more information on MACOM's broad portfolio visit: www.macom.com.

ABOUT MACOM:

MACOM Technology Solutions Inc. (www.macom.com) is a leading supplier of high-performance RF, microwave, and millimeterwave and photonic 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, 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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