



October 6, 2015

## MACOM Introduces New High-Performance DOCSIS 3.1 Compliant CATV Diplex Filters

*New plug-in and surface mount filters extend MACOM's portfolio of CATV components for DOCSIS 3.0 and DOCSIS 3.1 infrastructure*

LOWELL, Mass.--(BUSINESS WIRE)-- M/A-COM Technology Solutions Inc. ("MACOM"), a leading supplier of high-performance analog RF, microwave, millimeterwave and photonic semiconductor products, today announced three new families of diplex filters designed for DOCSIS 3.0 and DOCSIS 3.1 infrastructure equipment. Available in plug-and-play vertical and horizontal form factors along with surface mount configurations, MACOM's new high-performance diplex filters are ideally suited for use in CATV infrastructure spanning nodes, system amplifiers, line extenders, drop amplifiers and RFoG ONUs.

These new diplex filter platforms cover the following key industry frequency splits: 42/54, 65/85, 85/105 and 204/258 MHz, and operate from 5 to 1218 MHz. These compact, plug-and-play filters provide superior insertion loss, return loss, rejection and cross-over-isolation performance, and are designed and tested to meet exacting infrastructure quality and reliability requirements. Each filter platform is easily expanded to cover other frequency splits.

These diplex filter platforms are the newest additions to MACOM's comprehensive portfolio of RF components specifically designed to comply with the DOCSIS 3.1 standard for high-bandwidth data transfer over HFC infrastructure. MACOM's extensive domain expertise coupled with a robust global sales and applications support network ensure that designers are afforded the products and support required for accelerated market deployments for DOCSIS 3.1 compliant equipment.

"MACOM's high-performance pluggable and SMD filter platforms provide network equipment designers with full turnkey solutions that facilitate accelerated amplifier developments," said Graham Board, Senior Director of Carrier Networks, MACOM. "With so much focus on amplifier performance for DOCSIS 3.1 infrastructure it is easy to lose sight of the importance of the filter and passive components in the cascade. MACOM's filters are designed to deliver superior RF performance, thus enabling optimal GaAs or GaN amplifier cascades for network equipment. We believe that MACOM is fast becoming customers' one-stop-shop for all DOCSIS 3.1 RF needs."

MACOM's MAFL-0110XX series diplex filters are available to customers today. Click [here](#) for datasheets and additional product information.

### 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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