



Partners in RF & Microwave

March 31, 2014

## MACOM Extends Wired Broadband Leadership with new Family of Surface Mount Diplexers

*75Ω Matched devices provide customers with excellent temperature stability and repeatability*

LOWELL, Mass.--(BUSINESS WIRE)-- M/A-COM Technology Solutions Inc. ("MACOM"), a leading supplier of high performance RF, microwave, and millimeter wave products, today announced a new family of new surface mount diplexers for Cable Customer Premises Equipment.

This platform of surface mount Diplex Filters has been developed to replace large CAN and Discrete solutions in real estate constrained customer premises equipment front-ends. Offering superior performance and ease of implementation, these devices boast excellent temperature stability and part-to-part repeatability. In addition, the surface mount design allows for convenient high volume SMT manufacturing. Boasting excellent Return Loss, Insertion loss and Rejection, these devices are RoHS compliant as well.

"The MAFL-011013, MAFL-011024 and MAFL-011025 are ideal solutions for customers requiring high performance, repeatable, surface-mount diplex filters in a common footprint and pin-out," said Graham Board, Product Manager. "This family of filters are DOCSIS 3.0 compliant and cover the following cable splits 42/54, 65/108, 85/108MHz with a plan to add a DOCSIS 3.1 204/258MHz split by mid-2014. Having a platform of filters which covers the key cable splits, dramatically simplifies and expedites front-end implementation for customers."

The table below outlines typical performance:

Parameters	Units	MAFL-011013	MAFL-011024	MAFL-011025
Frequency	MHz	5-42 / 54-1002	5-85 / 108-1002	5-65 / 108-1002
Insertion Loss	dB	0.5	0.5	0.5
Crossover Isolation	dB	19	19	19
Rejection	dB	50	50	50
Return Loss	dB	16	16	16

Samples are available from stock. Final 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, and millimeter wave 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, CATV, 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.

MACOM, M/A-COM, M/A-COM Technology Solutions, M/A-COM Tech, Partners in RF & Microwave, The First Name in Microwave and related logos are trademarks of MACOM. All other trademarks are the property of their respective owners.

### DISCLAIMER FOR NEW PRODUCTS:

Any express or implied statements in MACOM product announcements are not meant as warranties or warrantable specifications of any kind. The only warranty MACOM may offer with respect to any product sale is one contained in a written

purchase agreement between MACOM and the purchaser concerning such sale and signed by a duly authorized MACOM employee, or, to the extent MACOM's purchase order acknowledgment so indicates, the limited warranty contained in MACOM's standard Terms and Conditions for Quotation or Sale, a copy of which may be found at:  
[www.macomtech.com/content/customersupport](http://www.macomtech.com/content/customersupport).

FOR SALES INFORMATION, PLEASE CONTACT:

North Americas -- Phone: 800.366.2266

Europe -- Phone: +353.21.244.6400

India -- Phone: +91.80.43537383

China -- Phone: +86.21.2407.1588

Media Contacts:

M/A-COM Technology Solutions Inc.

Husrav Billimoria, 978-656-2896

[Husrav.Billimoria@macomtech.com](mailto:Husrav.Billimoria@macomtech.com)

or

Rainier Communications

Jessie Glockner, 508-475-0025 x140

[jglockner@rainierco.com](mailto:jglockner@rainierco.com)

or

embedded PR

Gerlinde Knoepfle, +49 (0)89 64913634-12

[gk@embedded-pr.de](mailto:gk@embedded-pr.de)

Source: M/A-COM Technology Solutions Inc.

News Provided by Acquire Media