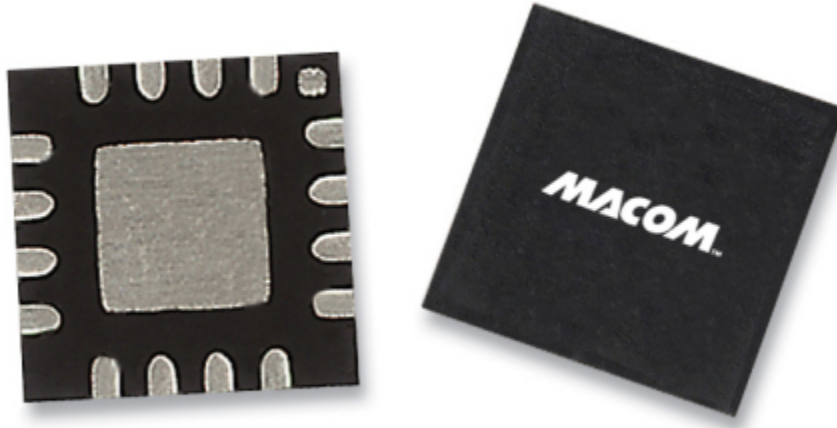


## MACOM Introduces a New Broadband Low Noise Amplifier for Use in 22-38 GHz Applications

June 6, 2014

*Low noise figure, and high gain amplifier boasts exceptional implementation in receiver applications*

LOWELL, Mass.--(BUSINESS WIRE)-- M/A-COM Technology Solutions Holdings Inc. ("MACOM"), a leading supplier of high performance RF, microwave, and millimeter wave products, today announced a new three-stage low noise amplifier for point to point applications.



The MAAL-011111 is a low noise amplifier covering 22 - 38GHz in a small and low cost 3X3 mm QFN package. It offers 19dB of gain and less than 3dB of noise figure. The LNA is self-biased requiring only a single 3.3V voltage supply and there is no need for any external components. It is easy to implement and takes up a small board area. The high gain and low noise figure makes it well suited as a first stage LNA in receiver applications covering multiple bands simultaneously.

"The MAAL-011111 offers excellent performance across the full band up to 38GHz in a small fully molded QFN package," said Amer Droubi, Product Manager, MACOM. "The low noise amplifier has an integrated ESD protection and by-pass capacitors and requires a single positive bias supply, making it an idea low cost and easy to implement solution for a wide range of applications."

MACOM Introduces a New Broadband Low Noise Amplifier for Use in 22-38 GHz Applications (Photo: Business Wire)

The table below outlines typical performance:

Parameter	Units	MAAL-011111
Frequency	GHz	22-38
Small Signal Gain	dB	19
Input Return Loss	dB	10
Output Return Loss	dB	13
Noise Figure	dB	2.5
Supply Current	mA	55

Production quantities and samples of MAAL-011111 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.

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**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

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M/A-COM Technology Solutions Inc.

Husrav Billimoria, 978-656-2896

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

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