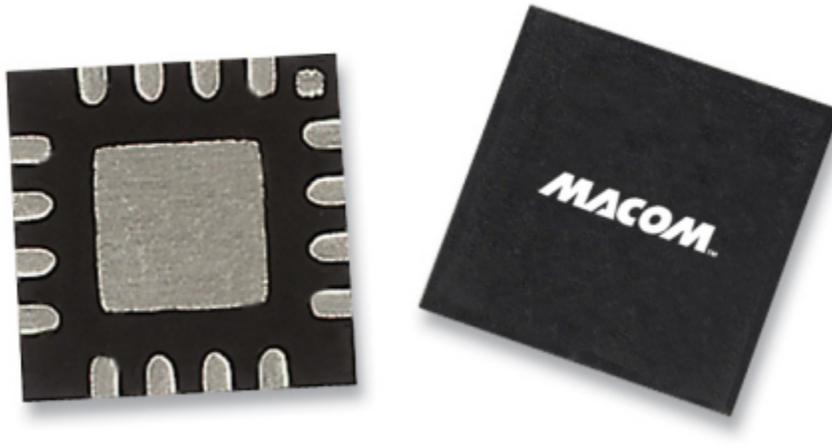


MACOM Introduces a New Broadband Low Noise Amplifier for Use in 22-38 GHz Applications

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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."

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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

About MACOM

M/A-COM Technology Solutions Holdings, Inc. (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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