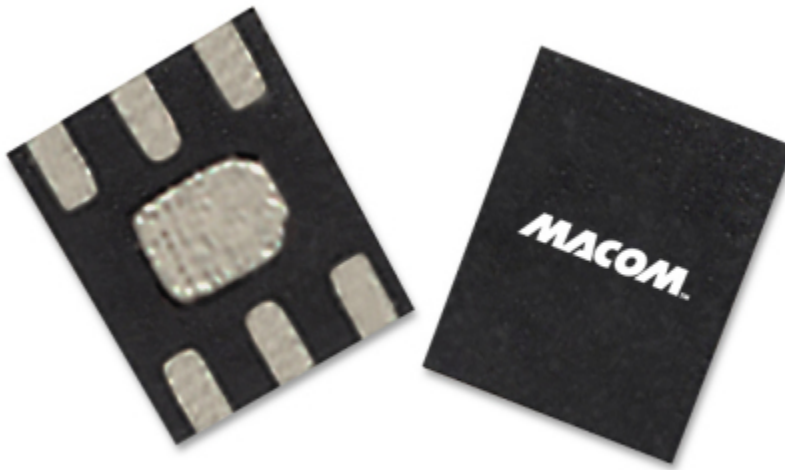


MACOM Technology Solutions Announces New Ultra-Small Broadband Variable Gain Amplifier for Multi-Market Applications at IEEE MTT International Microwave Symposium 2013

June 4, 2013

Versatile variable gain amplifier boasts excellent broadband performance for easy and efficient implementation for real estate constrained customers

SEATTLE--(BUSINESS WIRE)-- M/A-COM Technology Solutions Inc. ("MACOM"), a leading supplier of high performance analog semiconductor solutions, today announced a new broadband variable gain amplifier for Multi-market applications.



The [MAAM-011100](#) is designed for customers who need a versatile, broadband, low cost and ultra-small variable gain amplifier solution for WiFi, WiMax, IMS, Point to Point, Test & Measurement, Electronic Warfare and Aerospace and Defense applications. The MAAM-011100 is packaged in a convenient plastic 1.5x1.2 TDFN while still providing superior broadband performance over competing alternatives. The single gain control pin and ultra-small size provides real estate constrained customers with an easy, low cost solution for a variety of applications.

"The MAAM-011100 offers an excellent combination of broadband performance, ease of use and low cost," said Tom Galluccio, Product Manager. "The device is ideal for customers looking for cost and space savings to implement into their solutions."

The MAAM-011100 is fabricated using a GaAs process which features full passivation for increased performance and reliability. The amplifier boasts a typical gain control range of 30dB with +13dBm of

Versatile variable gain amplifier boasts excellent broadband performance for easy and efficient implementation for real estate constrained customers (Photo: Business Wire)

P1dB performance. The input and output are fully matched to 50Ω with a typical return loss of -12dB. The device is typically biased with a single +5V Vd for standard operation over the 4GHz — 20GHz frequency band; providing customers with an excellent multipurpose solution.

The table below outlines typical performance:

Parameter	Units	MAAM-011100
Frequency	GHz	0.4-20
Gain Control Range	dB	30
Gain	dB	10
Input Return Loss	dB	-11
Output Return Loss	dB	-12
Isolation	dB	35
Bias Current	mA	50

Production quantities and samples of MAAM-011100 are available from stock. Final datasheets and additional product information can be obtained from the MACOM website at: www.macomtech.com

To find out more about the broadband amplifier, as well as MACOM's extensive product portfolio, come visit us at Booth #930 at the IMS 2013 Show, June 2-7 in Seattle, Washington. For more information about the show visit: [MACOM at IEEE MTT 2013](#).

ABOUT MACOM

M/A-COM Technology Solutions (www.macomtech.com) is a leading supplier of high performance analog semiconductor solutions for use in radio frequency (RF), microwave, and millimeter wave applications. Recognized for its broad portfolio of products, MACOM serves diverse markets, including CATV, wireless infrastructure, optical communications, aerospace and defense, automotive, industrial, medical, and mobile devices. MACOM builds on more than 60 years of experience designing and manufacturing innovative product solutions for customers worldwide.

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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Photos/Multimedia Gallery Available: <http://www.businesswire.com/multimedia/home/20130604005556/en/>

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

or

MEDIA CONTACTS:

M/A-COM Technology Solutions Inc.

Husrav Billimoria, 978-656-2896

Husrav.Billimoria@macomtech.com

or

Rainier Communications

Jessie Glockner, 508-475-0025 x140

jglockner@rainierco.com

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