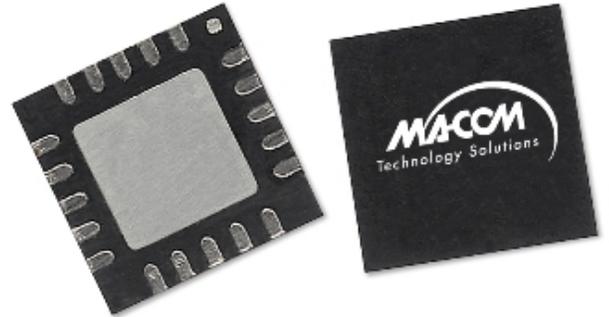




## M/A-COM Technology Solutions Announces New GaAs Broadband Push-Pull Amplifier for CATV Infrastructure Applications

**The 8.0 V, 20.5 dB Gain amplifier is configured as a pair of cascade structures with excellent broadband performance**

**Lowell, MA, August 10, 2011** - M/A-COM Technology Solutions Inc. (M/A-COM Tech), a leading supplier of high performance analog semiconductor solutions, introduced today a new GaAs broadband push-pull CATV amplifier. The amplifier features 20.5 dB gain, with broadband linear performance. Packaged in a 4mm QFN, 20-lead plastic package, the MAAM-009455 is an ideal inter-stage or output amplifier.



“With the introduction of the MAAM-009455, we continue to expand our portfolio of high performance amplifiers for CATV infrastructure applications,” said Graham Board, Product Manager. “The MAAM-009455 utilizes M/A-COM Tech’s established 0.5  $\mu$ m MESFET process to deliver a highly linear, 75  $\mu$ , push-pull amplifier with 20.5 dB of small signal gain.”

The MAAM-009455 targets next generation CATV HFC, FTTx, HDTV, and EdgeQAM infrastructure applications, where high gain and low distortion are a requirement. The MAAM-009455 is a highly linear amplifier, with low noise figure and power dissipation. This differential amplifier uses M/A-COM Tech baluns, input and output, in order to ensure best-in-class second order performance. The amplifier also features external feedback, allowing for gain tuning.

The MAAM-009455 exhibits an excellent gain flatness of 0.5 dB typical over the 50 to 1000 MHz operating band. Input return loss has been optimized to achieve better than 20 dB across the band. Very low distortion characteristics provide excellent composite second order (CSO), and composite triple beat (CTB) performance. This amplifier exceeds DOCSIS 3.0 DRFI specifications making it an ideal output stage solution for EdgeQAM head-end infrastructure.

The table below outlines specific part number performance:

Parameters	Units	MAAM-009455
		Typ
Frequency	MHz	50 - 1000
Gain	dB	20.5
Operating Voltage	V	8
CTB	dBc	-70
CSO	dBc	-70
Cross Modulation	dBc	-70
Package		QFN 4x4mm, 20-lead plastic

Production quantities and samples of MAAM-009455 are available from stock. Final datasheets and additional product information can be obtained from the M/A-COM Tech website at: [www.macomtech.com](http://www.macomtech.com)

### ABOUT M/A-COM TECHNOLOGY SOLUTIONS INC.

M/A-COM Technology Solutions ([www.macomtech.com](http://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, M/A-COM Tech serves diverse markets, including CATV, wireless infrastructure, optical communications, aerospace and defense, automotive, industrial, medical, and mobile devices. M/A-COM Tech builds on more than 60 years of experience designing and manufacturing innovative product solutions for customers worldwide.

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.

**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 CONTACT:**

Patricia A. Isabelle

M/A-COM Technology Solutions Inc.

978.656.2546

Patricia.Isabelle@macomtech.com