

PRODUCT RELEASE

M/A-COM Technology Solutions Introduces 70 to 3000 MHz Miniature Broadband Gain Stage Amplifiers in SOT-363 and SOT-89 Packages

Self-biased amplifiers deliver low noise figure and high IP3

Lowell, MA, May 4, 2010 – M/A-COM Technology Solutions Inc. (M/A-COM Tech) introduced today 70 to 3000 MHz GaAs MMIC amplifiers that employ monolithic 1-stage self-biased designs and feature convenient 50 ohm input/output impedance, minimizing the number of external components required. The MAAL-009120 is housed in a lead-free, plastic SOT-363 package and offers a typical noise figure of 1.4 dB at 900 MHz and IP3 of 35 dBm from 500 to 3000 MHz. The MAAL-010200 is housed in a lead-free, plastic SOT-89 package and delivers 1.3 dB noise figure at 900 MHz and 36 dBm IP3 from 500 to 3000 MHz. Both products offer a typical gain of 14 dB at 900 MHz. These broadband gain stage amplifiers are ideal for many applications, including cellular base stations and IF sections of T/R modules.

“The MAAL-009120 and MAAL-010200 provide wideband gain for a variety of applications, thereby reducing design and procurement costs,” says Jack Redus, Product Manager, M/A-COM Tech. “The performance parameters are optimized for today’s 3V supplies and are backwards compatible with older 5V supplies.”

Engineering samples and production devices are available today from stock. Technical support is also available from M/A-COM Tech’s applications engineers at 978.656.2539. The MAAL-009120 and MAAL-010200 datasheets and additional product information can be obtained from the M/A-COM Tech website at www.macomtech.com.

ABOUT M/A-COM TECHNOLOGY SOLUTIONS INC.

M/A-COM Technology Solutions Inc. (M/A-COM Tech) is a leading supplier of semiconductors, active and passive components, and subassemblies for use in radio frequency (RF), microwave and millimeter wave applications. The company provides innovative design solutions and products including:

- Si, GaAs, InGaAs, InP and SiGe IC products
- Unique MMIC processes: HMIC™ and GMIC™
- In-house design, fabrication, assembly and screening capabilities
- Multiple facilities for improved flexibility and local content manufacturing
- Design expertise covering the spectrum from RF through millimeter wave frequencies
- One of the broadest selections of standard and custom products in the industry

Headquartered in Lowell, Massachusetts, M/A-COM Tech builds on some 60 years of experience to develop and manufacture active and passive products, including Si and compound semiconductors from facilities in Lowell, MA, and Torrance, CA. Infrastructure products continue to be provided by the company's facility in Cork, Ireland, and Laser Diode products in Edison, New Jersey. M/A-COM Tech is certified to ISO 9001, AS 9100 and QS-9000.

For more information visit www.macomtech.com

NEWS RELEASE



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