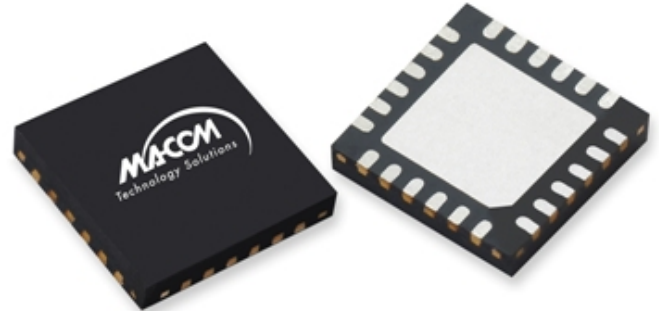




## M/A-COM Technology Solutions Announces 7 New Products for Networks and Aerospace & Defense Applications

### New Products Extend M/A-COM Tech's Broad Portfolio including Amplifiers, Active Splitters, Digital Attenuators, Phase shifters, and Switches

Lowell, MA, January 17, 2012 -M/A-COM Technology Solutions Inc. (M/A-COM Tech), a leading supplier of high performance analog semiconductor solutions, introduced today seven new products covering Networks and Aerospace and Defense applications.



#### CATV/Broadband:

The [MAAM-010263](#) completes the family of default-on Broadband Active Splitters designed for multi-tuner set-top boxes, home gateways and customer premises equipment (CPE) applications.

Featuring a default-on loop-through path, the MAAM-010263 allows for access to the cable signal even when the CPE box is powered down.

The MAAM-010263 is a highly linear 6-way active splitter with low distortion and low noise figure. Designed for operation from 50 to 1100 MHz, the amplifier is packaged in a RoHS compliant 4mm 24-Lead PQFN. The 6-way Splitter is fabricated on M/A-COM Tech's established E/D pHEMT process which delivers , low distortion, low noise figure and highly repeatable performance.

Also released is the [MAAM-010333](#) , an Optical Node RF Amplifier operating between 50 - 1000 MHz. This integrated TIA, VVA, RF amplifier provides high gain, low EIN, and low distortion amplification for optical node applications. Fabricated on M/A-COM Tech's GaAs pHEMT technology, the amplifier is packaged in a 4 mm 24-Lead PQFN, and operates between -8 dBm to +2 dBm of Optical input power. With a single +5 V Bias and 27 dB Gain Control Range, the MAAM-010333 is a highly integrated, low cost solution for optical node applications.

Production quantities and samples of the above products 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)

#### Cellular Infrastructure:

The [MAAD-000523](#) is a 6-Bit, 0.5 dB digital attenuator for 50 ? systems, operating between the 0.7 GHz – 6.0 GHz frequency range. This attenuator is ideal when high accuracy, low power consumption, and low intermodulation products are required.

The MAAD-000523 includes an integrated TTL/CMOS compatible driver, and offers parallel and serial control with a power-up state function. Packaged in a Lead-Free 4 mm 24-Lead PQFN Package, the MAAD-000523 has small relative phase variation per bit, and achieves an insertion loss of 1.6 dB at 2 GHz. The attenuator features a typical input return loss of 18 dB up to 6 GHz.

Additionally, M/A-COM Tech added two additions to their family of switches for cellular Infrastructure applications. Operating from 0.01 GHz - 4.0 GHz and packaged in an industry standard 4mm 24-Lead PQFN, the [MASW-010350](#) is a high isolation single pole four throw (SP4T) switch, while the [MASW-010351](#) is a high isolation single pole five throw (SP5T) switch.

With a symmetric circuit design utilizing M/A-COM Tech's GaAs pHEMT technology and an integrated CMOS decoder, both switches maintain an excellent combination of low insertion loss and high isolation for all states. The new switches are designed to lower the system complexity and reduce the bill of material cost by replacing multiple single pole double throw (SPDT) switches. These switches are ideal for band switching in multi-channel and multi-mode base-station applications.

Production quantities and samples of the above products 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)

### **Aerospace and Defense:**

The [MAPS-010146](#) and [MAPS-010166](#) are X-band additions to M/A-COM Tech's family of digital phase shifters. These phase shifters facilitate easy implementation in communication antennas, phased array radars, weather radars, and EW receivers.

The MAPS-010146 is a 4-Bit digital phase shifter housed in a 4mm 24-Lead PQFN Package. It provides 360° phase shift range with a step size of 22.5°. It is controlled with a single +5.0V serial or parallel control line. Its insertion loss is 6.5 dB, with a low +/- 1.0 dB attenuation variation and +/- 10.0° phase accuracy over the 8.0 GHz to 12.0 GHz frequency range.

The MAPS-010166 is a 6-Bit digital phase shifter housed in a 4mm 24-Lead PQFN Package. It provides 360° phase shift range with a step size of 5.625°. It is controlled with a single +5.0V serial or parallel control line. Its insertion loss is 6.5 dB, with a low +/- 1.2 dB attenuation variation and +/- 8.0° phase accuracy over the 8.0 GHz to 12.0 GHz frequency range.

Production quantities and samples of the above products 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:**

Husrav Billimoria

M/A-COM Technology Solutions Inc.

978-656-2896

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