



M/A-COM Technology Solutions Introduces New Analog Control Variable Gain Amplifier

VGA Delivers Wide Frequency Range and High Gain for Cellular Infrastructure

Lowell, MA, July 18, 2011 - M/A-COM Technology Solutions Inc. (M/A-COM Tech), a leading supplier of high performance analog semiconductor solutions, introduced today a new Analog Control Variable Gain Amplifier (VGA) for Cellular Infrastructure applications. The MAAM-009320 is designed to lower bill of materials cost and complexity for OEM design engineers who are designing next generation 3G/4G/LTE base stations.

New base station designs have multi-band capabilities but numerous space constraints. The MAAM-009320 delivers higher levels of integration and space savings by performing three circuit functions in a single 4mm PQFN package. The MAAM-009320 has a wide frequency range complimented by high gain and excellent input and output return loss. Packaged in a RoHS* compliant 4mm, 24-Lead PQFN package, the VGA is designed for operation from 400MHz – 2700MHz. External matching components are used to set the center frequency and achieve return loss performance while analog control is accomplished through a single control pin of 0 to +3V.

The table below outlines specific part number performance:

Part Number	Gain (dB)	Noise Figure (dB)	Attenuation Range (dB)	OIP3 (dBm)	Current (mA)	Package
MAAM-009320	25.5	3.0	26.5	42.0	231	4mm PQFN

“With excellent IP3 for only 231 mA of current, the MAAM-009320 is a great choice for applications requiring gain with a wide attenuation range while maintaining linearity,” said Jack Redus, product manager. “The MAAM-009320 balances linearity and noise figure for optimal performance in cellular base station applications.”

Production quantities and samples of MAAM-009320 are available from stock. Final 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 (www.macomtech.com) is a leading supplier of high performance semiconductors, active and passive components, and subassemblies 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 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.

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