



M/A-COM Technology Solutions Extends Leadership in High Power Semiconductors With New Portfolio of GaN Products

M/A-COM Tech Leverages Rich Heritage in Power ICs to Deliver Top-Quality GaN Transistors

Baltimore, Maryland, June 7, 2011 - M/A-COM Technology Solutions Inc. (M/A-COM Tech) extends its leadership position in high power semiconductors with the introduction of a new family of Gallium Nitride (GaN) RF Power transistors. The announcement was made today at MTT-S 2011, the largest RF & Microwave Product Exhibition in the industry. This new family of products targets L- and S-Band pulsed radar applications and leverages M/A-COM Tech's rich heritage of providing both standard and custom solutions to meet the most demanding customer requirements. M/A-COM Tech's GaN on Silicon Carbide (SiC) products—offered as transistors and pallets—utilize a 0.5 micron HEMT process and exhibit attractive RF performance parameters with respect to power, gain, gain flatness, efficiency and ruggedness over wide-operating bandwidths. Featured benefits of M/A-COM Tech's GaN products include high breakdown voltage, superior power density, and higher and broader frequency operation than Silicon.

Part Number	Frequency (MHz)	Pout (W)	Pulse/Duty
MAGX-002731-030L00	2700 - 3100	30 peak	500us / 10%
MAGX-002731-100L00	2700 - 3100	100 peak	500us / 10%
MAGX-002731-180L00	2700 - 3100	180 peak	500us / 10%
MAGX-003135-030L00	3100 - 3500	30 peak	500us / 10%
MAGX-003135-180L00	3100 - 3500	180 peak	500us / 10%
MAGX-000912-125L00	960 - 1215	125 peak	2ms / 10%
MAGX-000912-250L00	960 - 1215	250 peak	2ms / 10%
MAGX-001214-125L00	1200 - 1400	125 peak	2ms / 10%
MAGX-001214-250L00	1200 - 1400	250 peak	2ms / 10%
MAGX-001220-100L00	1200 - 2000	100 peak	500us / 10%
MAGX-000035-030000	1 - 3500	30 average	CW
MAGX-000035-100000	1 - 3500	100 average	CW

"M/A-COM Tech leverages more than 30 years of experience in developing industry-leading high power transistors to deliver these top-quality GaN power devices," stated Chuck Bland, Chief Executive Officer of M/A-COM Technology Solutions. "Our highly versatile family of GaN products offers customers a single solution combining both the high power handling and high-voltage operation typically found in silicon LDMOS devices, but with higher frequency performance more often associated with GaAs devices. Innovative solutions for demanding applications like these are what customers have come to expect from the First Name in Microwave—M/A-COM Tech."

The latest ABI research shows increasing demand for high power, pulsed RF devices in S- and L-band air traffic control, marine, and military radar applications. "M/A-COM Technology Solutions' Silicon based products have been a major force for high power, pulsed RF applications in the S- and L-Band radar market, and the extension into GaN technology positions their product line for continued market leadership", said Lance Wilson, Research Director, RF Components & Systems.

M/A-COM Tech plans to release later this year additional products that target applications such as L-Band radar, avionics, EW, and MILCOM, as well as general purpose devices. Engineering samples for GaN transistors and pallets are available for qualified customers today from stock. These products are subject to the jurisdiction of the Export Administration Regulations. Shipments to certain destinations may require an export license. Technical support is also available from M/A-COM Tech's applications engineers at 310.357.2311. Final datasheets and additional product information can be obtained from the M/A-COM Tech website at macomtech.com/GaN-Transistors-and-Pallets.

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 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.

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