



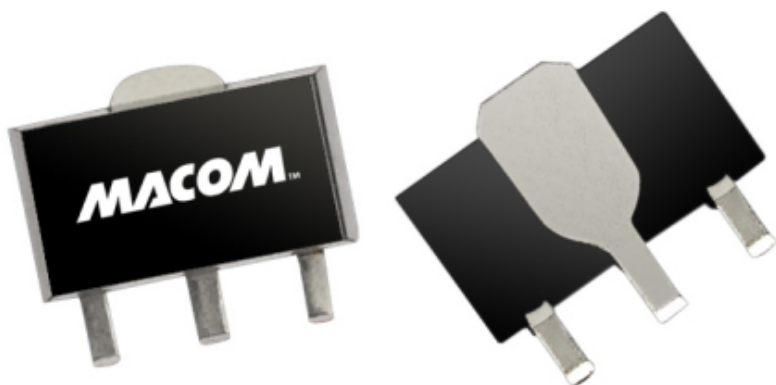
Partners in RF & Microwave

October 8, 2013

MACOM Extends GaN Leadership with 5W GaN Power Transistor in Ultra-small Surface Mount Plastic Package

Reliable, Small size Package Transistor Offers 50 V bias in both Pulsed and CW Operation over DC-4.0 GHz

NURNBERG, Germany--(BUSINESS WIRE)-- M/A-COM Technology Solutions Inc. ("MACOM"), a leading supplier of high performance RF, microwave, and millimeter wave products, today announced a new GaN unmatched wideband transistor in SOT-89 package that is ideally suited to 50 V operation in driver and power applications, at European Microwave Week 2013 in Nurnberg, Germany.



The [MAGX-000040-00500P](#) is an effective solution for customers who need a reliable power device with wideband performance and high voltage operation. Operating over the DC - 4.0 GHz frequency bandwidth, the [MAGX-000040-00500P](#) is packaged in a light weight 2.5mm x 4.5mm SOT-89 plastic surface-mount package that allows customers easy implementation and assembly. The transistor delivers reliable operation at junction temperature of 158 °C in CW mode with the device being rated to a maximum junction temperature of 200 °C. Boasting small size, surface-mount assembly and reliable high voltage operation, the device provides customers a high performing alternative to traditional flanged or metal-backed module components.

The new GaN unmatched wideband transistor in SOT-89 package is ideally suited to 50 V operation in driver and power applications,

Product Manager. "The newest 5 W addition to the GaN in Plastic family extends MACOM's leadership in supporting customers to meet design challenges with the key advantages of 50 V bias, CW operation and small-size, surface mount plastic packaging."

"RF and Microwave designers are continuously challenged to improve Size, Weight and Performance (SWaP) of radar and communication systems", said Paul Beasley,

The table below outlines typical performance:

Parameter	Units	MAGX-000040-00500P
Frequency Range	GHz	DC-4.0
Operating Voltage	V	50
Pulsed Peak Output Power	Wpk	5.3
Pulsed Power Gain	dB	13
Pulsed Drain Efficiency	%	55
CW Output Power	W	4
Load Mismatch Tolerance	VSWR	10:1
Package, SOT-89	mm	4.5x2.5

Production quantities and samples of MAGX-000040-00500P are available from stock. Final datasheets and additional product information can be obtained from the MACOM website at: www.macomtech.com

Visit MACOM at Booth #169 at European Microwave Week in Nurnberg, Germany, October 6 - 11, to learn more about

MACOM's GaN in Plastic power products.

ABOUT MACOM:

M/A-COM Technology Solutions (www.macomtech.com) is a leading supplier of high performance RF, microwave, and millimeter wave products that enable next-generation Internet and modern battlefield applications. Recognized for its broad catalog portfolio of technologies and products, MACOM serves diverse markets, including CATV, wireless and optical communications infrastructure, satellite, radar, automotive, industrial, medical, and mobile devices. A pillar of the RF and microwave industry, we thrive on more than 60 years of solving our customers' most complex problems.

Headquartered in Lowell, Massachusetts, MACOM is certified to the ISO9001 international quality standard and ISO14001 environmental management standard. MACOM has design centers and sales offices throughout North America, Europe, Asia and Australia.

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Photos/Multimedia Gallery Available: <http://www.businesswire.com/multimedia/home/20131008005522/en/>

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