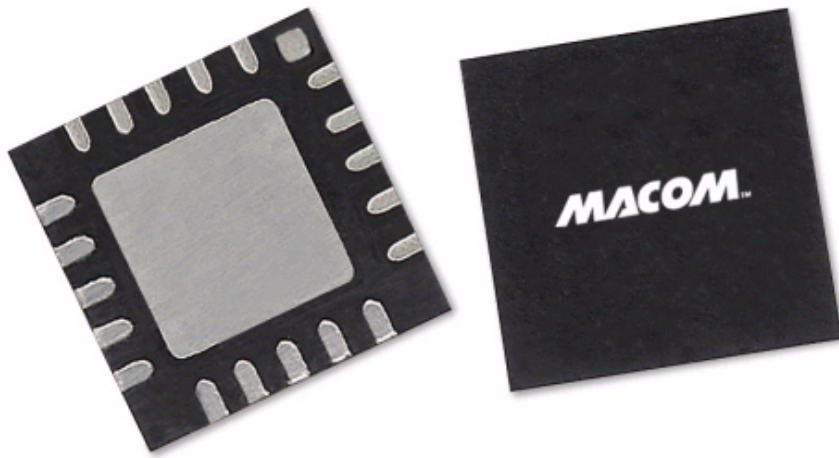


December 9, 2014

MACOM Introduces Industry Leading High Power SP3T and SP4T 200 Watt PIN Diode Switches

Featuring low insertion loss and excellent linearity operating over the 50 MHz to 1 GHz frequency range, these devices are ideal for land mobile radio applications

LOWELL, Mass.--(BUSINESS WIRE)-- M/A-COM Technology Solutions Holdings Inc. ("MACOM"), a leading supplier of high performance RF, microwave, and millimeter wave products, today announced two high power PIN diode switches, with industry leading linearity in a common anode configuration, operating over the 50 MHz to 1 GHz frequency range.



The [MASW-011040](#) and [MASW-011041](#) are designed for Military and Civilian customers who require higher CW and pulsed power operation for land mobile radio applications.

MACOM enables the connections that ensure high data-density network performance from L-Band to Ka-Band. Our analog RF, microwave and millimeter wave innovations optimize wireless bandwidth for clear, uninterrupted signals across even remote locations. For over 60 years, we've made the weak strong and the powerless powerful in the most demanding military and commercial applications on the ground, in the air or at sea. We have the industry's broadest, most technologically advanced portfolio spanning 50 MHz to 100 GHz for best-in-class voice, data and HD video streaming.

MACOM Introduces Industry Leading High Power SP3T and SP4T 200 Watt PIN Diode Switches (Photo: Business Wire)

These devices are capable of handling 200 Watts CW incident power at a base plate temperature of 85° C, delivered in a single 9mm HQFN 20-lead plastic package. Covering 50 MHz to 1 GHz, both devices deliver > 40 dB isolation at 1 GHz with insertion loss of < 0.5 dB and are compatible with MACOM's MADR-010574 PIN Diode Driver.

The [MASW-011040](#) and [MASW-011041](#) are manufactured using MACOM's hybrid manufacturing process featuring high voltage PIN diodes and passive devices and are a high power switch ideal for use on land mobile radio and MIL-COM applications that require higher power.

"These high power switches are ideal for land mobile applications requiring high linearity, broadband performance and low loss," said Paul Wade, Product Manager. "These switch devices incorporate high levels of integration which provide users over 80% of space savings and significant reduction in BOM content."

The table below outlines typical performance:

Parameter	Units	MASW-011040	MASW-011041
Frequency Range	GHz	0.05 - 1	0.05 - 1
Insertion Loss at 1.0 GHz	dB	0.45	0.40
Isolation at 1.0 GHz	dB	45	45
Input Return Loss	dB	> 13	> 14
Packaging	mm	9	9

Production quantities and samples of MASW-011040 and MASW-011041 are available from stock. Final datasheets and additional product information can be obtained from the MACOM website at: www.macom.com.

ABOUT MACOM:

M/A-COM Technology Solutions Holdings, Inc. (www.macom.com) is a leading supplier of high performance analog 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 high speed optical, satellite, radar, wired & wireless networks, CATV, automotive, industrial, medical, and mobile devices. A pillar of the semiconductor industry, we thrive on more than 60 years of solving our customers' most complex problems, serving as a true partner for applications ranging from RF to Light.

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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Photos/Multimedia Gallery Available: <http://www.businesswire.com/multimedia/home/20141209005075/en/>

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