

## New Products at MILCOM

M/A-COM Technology Solutions, a leading supplier of high performance analog semiconductor solutions, introduced the [MASW-000932](#) [1], a new High Power SPDT switch, and the MADR-010574, a 250 V PIN Diode Driver at MILCOM 2011 in Boston.

“M/A-COM Tech’s new high power SPDT switch and 250 V PIN Driver products offer high power handling capability in a small plastic package.” said Kevin Harrington, Product Manager. “These products offer the superior performance required for military communication and public safety radios.”

The [MASW-000932](#) [1] is a HMIC 80Watt SPDT switch ranging from 1 MHz to 4000 MHz. Packaged in a surface mount 4mm PQFN package, this compact SPDT switch offers wideband performance with excellent isolation to loss ratio for both  $T_x$  and  $R_x$  state. With high isolation and low insertion loss, the [MASW-000932](#) [1] is suitable for high power military radio applications as well as LTE, TD-SCDMA and WiMAX applications.

The table below outlines typical part number performance:

Parameters	Units	MASW-000932
Frequency	MHz	1 - 4000
$T_x$ Insertion Loss	dB	0.25
$R_x$ Insertion Loss	dB	0.60
$T_x$ Isolation	dB	14.00
$R_x$ Isolation	dB	43.00

Production quantities and samples of [MASW-000932](#) [1] 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) [2]

Also featured at the MILCOM Show is the 250 V PIN Diode Driver that is scheduled for release in early 2012. Packaged in a convenient 7mm PQFN package, the MADR-010574 features 50 V to 250 V reverse bias voltage and up to 170 mA of forward current bias. With built in CMOS ASIC technology, the driver biases four

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Published on Electronic Component News (<http://www.ecnmag.com>)

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diodes simultaneously. The MADR-010574 biases all high voltage diodes, including M/A-COM Tech's MELF diodes and KV series diodes. The driver is well-suited for demanding, high-performance applications such as military communication and public safety radios.

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### **Links:**

[1] <http://macomtech.com/switches?partNum=MASW-000932%20&searchType=ExactMatch>

[2] <http://macomtech.com/>