

## **MACOM's New SPDT Non-Reflective RF Switch Affirms Technology Superiority for Broadband Performance and High-Speed Switching**

- *New MASW-011102 delivers best-in-class RF performance across the DC to 30 GHz frequency range, with low insertion loss of 1.8 dB at 30 GHz*
- *SMT plastic packaged device leverages proprietary switch technology to enable switching speed up to 40 ns*
- *New solution will be showcased at EuMW 2018 in booth #271*

**Lowell, Massachusetts, September 25, 2018**– [MACOM Technology Solutions](#)

[Inc.](#) (“MACOM”), a leading supplier of semiconductor solutions, has again extended its unrivaled RF switch technology leadership with the announcement of its new MASW-011102 SPDT non-reflective switch. Building on the established performance hallmarks of MACOM’s GaAs-based SPDT MASW Series switches, the new MASW-011102 is optimized for use in applications spanning test and measurement, EW and broadband communication systems.

MACOM’s new MASW-011102 low power SPDT non-reflective switch supports broadband operation from DC to 30 GHz, with low insertion loss of 1.8 dB and high isolation of 40 dB at 30 GHz. It utilizes MACOM’s patented low gate-lag GaAs process to deliver uncompromising performance and fast switching speed up to 40 ns.

The MASW-011102 is offered in a lead-free, 3 mm, 14-Lead PQFN plastic package for ease of manufacturing, and is fabricated using a robust process containing full surface passivation aimed at ensuring the highest performance and reliability.

“Whether leveraging our proprietary AlGaAs, HMIC or GaAs technologies, MACOM has consistently proven its industry leadership in high-performance RF switching technologies,” said Graham Board, Senior Director of Product Marketing, MACOM. “With the MASW-011102 – as with every new addition to our comprehensive RF product portfolio – our goal is to extract the highest levels of performance to meet and exceed our customers’ expectations.”

For over 60 years, MACOM’s design and applications experts have spearheaded innovation in the RF, microwave and millimeterwave domain, developing the industry’s broadest portfolio of MMICs and components spanning the entire RF signal chain. Leveraging advanced, proprietary technologies, MACOM’s heterogeneous semiconductor and packaging strategy ensures that each individual RF system function is fully optimized to deliver maximum performance at the appropriate cost. MACOM remains firmly committed

to delivering true competitive advantage to our customers, providing superior technology, expertise, cost structures and supply chains – with no compromises.

MACOM's MASW-011102 SPDT non-reflective switches are available to customers today. For assistance identifying MACOM products optimized to substitute or replace offerings from other vendors, visit MACOM's Cross Reference tool.

MACOM will showcase its industry leading RF technology portfolio at European Microwave Week (EuMW) 2018, Booth #271 in Madrid, Spain, September 25<sup>th</sup> – 27<sup>th</sup>. MACOM's booth will feature new product solutions optimized for 5G, wireless basestations, radar, test and measurement, and industrial, scientific and medical (ISM) applications. To make an appointment, contact your local sales representative. For more information about MACOM's RF technology solutions, please visit: [www.macom.com](http://www.macom.com)

**ABOUT MACOM:**

MACOM enables a better-connected and safer world by delivering breakthrough semiconductor technologies for optical, wireless and satellite networks that satisfy society's insatiable demand for information.

Today, MACOM powers the infrastructure that millions of lives and livelihoods depend on every minute to communicate, transact business, travel, stay informed and be entertained. Our technology increases the speed and coverage of the mobile Internet and enables fiber optic networks to carry previously unimaginable volumes of traffic to businesses, homes and datacenters.

Keeping us all safe, MACOM technology enables next-generation radars for air traffic control and weather forecasting, as well as mission success on the modern networked battlefield. MACOM is the partner of choice to the world's leading communications infrastructure, aerospace and defense companies, helping solve their most complex challenges in areas including network capacity, signal coverage, energy efficiency and field reliability, through its best-in-class team and broad portfolio of analog RF, microwave, millimeterwave and photonic semiconductor products.

MACOM is a pillar of the semiconductor industry, thriving for more than 60 years of daring to change the world for the better, through bold technological strokes that deliver true competitive advantage to customers and superior value to investors.

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 and Asia.

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**SPECIAL NOTE REGARDING FORWARD-LOOKING STATEMENTS:**

This press release contains forward-looking statements based on MACOM's beliefs and assumptions and on information currently available to MACOM. These forward-looking statements reflect MACOM's current views about future events and are subject to risks, uncertainties, assumptions and changes in circumstances that may cause those events or our actual activities or results to differ materially from those expressed in any forward-looking statement. Although MACOM believes that the expectations reflected in the forward-looking statements are reasonable, it cannot and does not guarantee future events, results, actions, levels of activity, performance or achievements. Readers are cautioned not to place undue reliance on these forward-looking statements. A number of important factors could cause actual results to differ materially from those indicated by the forward-looking statements, including, but not limited to, those factors described in "Risk Factors" in MACOM's Annual Report on Form 10-K, Quarterly Reports on Form 10-Q and other filings with the Securities and Exchange Commission. MACOM undertakes no obligation to publicly update or revise any forward-looking statement, whether as a result of new information, future events or otherwise.

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