



Partners from RF to Light

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MACOM Accelerates Higher Capacity Backhaul with New E-Band Tx and Rx Modules

MACOM's E-Band MAMF-011057 and MADC-011014 Modules to Demo at IMS 2016

LOWELL, Mass.--(BUSINESS WIRE)-- MACOM Technology Solutions Inc. ("MACOM"), a leading supplier of high-performance analog RF, microwave, millimeterwave and photonic semiconductor products, today announced that it has commenced sample shipments of its highly integrated E-Band transceiver (Tx) and receiver (Rx) modules, the [MAMF-011057](#) and the [MADC-011014](#), designed to enable the emerging wideband cellular backhaul and 5G millimeterwave market needs. Helping to accelerate the evolution to higher capacity backhaul, MACOM's surface mountable E-Band Tx and Rx modules simplify the design and manufacturing of low cost E-band point to point radios. MACOM's E-Band module solution will be featured in a 5G millimeterwave product demo at the International Microwave Symposium (IMS) 2016.

This Smart News Release features multimedia. View the full release here:

<http://www.businesswire.com/news/home/20160525005001/en/>



MACOM complements these E-Band modules with best in class phase noise voltage controlled oscillators (VCOs) matched to the module requirements for a total solution. (Photo: Business Wire)

cost of ownership and growing the footprint of E-Band radios within the Network Operator Wireless Backhaul space.

"Market and customer feedback on our initial samples of the E-Band Tx and Rx modules has been very positive, as evidenced by multiple design wins at Tier 1 OEMs," said Preet Virk, Senior Vice President and General Manager, Carrier Networks, MACOM. "The E-Band market is primed for explosive growth and our innovative modules, offering best in class performance, are seen as a key component enabling the viable establishment of E-Band as a high capacity solution for cellular backhaul. We look forward to several production ramps expected to commence in late 2016."

MACOM will be featuring the E-Band Rx and Tx modules at IMS, Booth #939, May 22nd-27th in San Francisco, California. To make an appointment to see this private demonstration, contact your local sales representative.

Samples and evaluation boards are now available. For more information, visit www.macom.com.

MACOM's [MAMF-011057](#) is a transceiver featuring a balanced IR mixer, x8 LO multiplier, envelope detector, RF buffer amplifier, RF power amplifier and output power detector in a small form factor surface mount module. The module operates from 71-86 GHz and is designed to be used in direct conversion applications. The output of the Tx module is a WR12 interface for ease of use.

The [MADC-011014](#) is a receiver module integrating a balanced IR mixer with a x8 LO multiplier and LNA into a small form factor surface mount module. This device operates from 71-86 GHz and is designed to be used in direct down conversion applications. The RF input to the Rx module is a WR12 interface for ease of use.

MACOM complements these E-Band modules with best in class phase noise [voltage controlled oscillators](#) (VCOs) matched to the module requirements for a total solution.

MACOM believes these modules greatly simplify the design of Wireless Backhaul E-Band radios and that their high integration levels help reduce overall E-Band radio BOM costs. As a result, MACOM anticipates that these modules will play a key role in lowering E-Band

ABOUT MACOM:

MACOM Technology Solutions Inc. (www.macom.com) supplies key enabling technologies for the Cloud Connected Apps Economy and Modern Networked Battlefield. Recognized for its broad catalog portfolio of technologies and products, MACOM provides high-performance analog RF, microwave, millimeterwave and photonic semiconductor products for diverse applications ranging from high speed optical, satellite, wired and wireless networks to military and civil radar systems. A pillar of the semiconductor industry, we thrive on more than 60 years of solving our customers' most complex problems as their trusted partner for solutions ranging from RF to Light.

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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