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## MACOM Expands Portfolio with New 4-Watt Packaged Linear Power Amplifiers

*New Power Amplifiers Designed for 7 and 8 GHz Point to Point Radio Cellular Backhaul Applications*

LOWELL, Mass.--(BUSINESS WIRE)-- MACOM Technology Solutions Inc. ("MACOM"), a leading supplier of high-performance analog RF, microwave and optical semiconductor products, today announced the new [MAAP-011161](#) and the [MAAP-011193](#), two packaged linear power amplifiers designed specifically for use in point to point radios in cellular backhaul applications. The MAAP-011161 and MAAP-011193 operate over 7.1-7.9 GHz and 7.7-8.5 GHz respectively, and are intended for 7 and 8 GHz radio applications.

The MAAP-011161 and MAAP-011193 feature a Third Order Intercept Point (OIP3) of 46.5 dBm and greater than 35.5 dBm saturated output power. The MAAP-011161 boasts 22 dB small signal gain, while the MAAP-011193 provides 20 dB small signal gain. These power amplifier MMICs come in an air cavity 7 mm surface mount package with a copper coin paddle for excellent thermal performance. The devices include on-chip ESD protection structures and DC by-pass capacitors to ease the implementation and volume assembly of the packaged part, and are RoHS Compliant.

"This pair of MMIC power amplifiers is a great addition to MACOM's existing portfolio," said Stuart Cornelius, Product Manager, Carrier Networks, MACOM. "We believe the gain, output power and Third Order Intercept performance make these products ideal solutions for 7 GHz and 8 GHz cellular backhaul point to point radio applications."

Production quantities and samples of the MAAP-011161 and MAAP-011193 are available from stock. Final datasheets and additional product information can be obtained from the MACOM website at: [www.macom.com](http://www.macom.com).

The table below outlines typical performance:

Parameters	Units	MAAP-011161	MAAP-011193
Frequency	GHz	7.1-7.9	7.7-8.5
Gain	dB	22	20
OIP3	dBm	46.5	46.5
Saturated Output Power	dBm	> 36.5	> 36.5

### ABOUT MACOM:

MACOM Technology Solutions Inc. ([www.macom.com](http://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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