



May 4, 2015

## MACOM Introduces Industry Leading High Power 6W Ka-Band Power Amplifier

*Device Boasts 24 dB Gain and Excellent Linearity for Ka-Band, High Data Density Satellite Communications, and 5<sup>th</sup> Generation Radio Access Networks*

LOWELL, Mass.--(BUSINESS WIRE)-- M/A-COM Technology Solutions Inc. ("MACOM"), a leading supplier of high performance analog RF, microwave, millimeterwave and photonic semiconductor products, today introduced a high linearity 6 W power amplifier, ideally suited for Ka-Band High Data Density Satellite communications and 5G Radio Access Networks.

MACOM's new [MAAP-011140-DIE](#) is offered as a bare die, delivering 24 dB of linear gain, 6W of saturated output power and 23% power-added efficiency. The device provides greater than 25 dBm P<sub>OUT</sub>/tone while maintaining IM3 levels of 30 dBc. The efficiency performance allows customers to operate remote VSAT terminals with lower power consumption and higher performance than competing alternative offerings. The 6W P<sub>SAT</sub> enables greater transmission power and signal strength performance in critical military or civilian datalink applications.

"The [MAAP-011140-DIE](#) offers a unique combination of high power, linearity and efficiency in a small form factor that is ideally suited to systems requiring highly efficient Satcom transmitter solutions," said Paul Beasley, Product Manager. "In conjunction with the recently announced 4 W Ka-Band PA, [MAAP-011139-DIE](#) this new 6W device broadens MACOM's Ka-Band power amplifier family."

MACOM products continue to enable connections that ensure high data-density network performance from L-Band to Ka-Band. Our analog, RF, microwave and millimeterwave innovations optimize wireless bandwidth for clear, uninterrupted signals across even the most remote locations.

The table below outlines typical performance for the MAAP-011140-DIE:

Parameter	Units	MAAP-011140-DIE
Frequency	GHz	27.5-30
Gain	dB	24
Psat	dBm	38.5
PAE	%	23
IM3 @ 33 dBm per tone	dBc	-24
Input Return Loss	dB	12
Output Return Loss	dB	12

Production quantities and samples of MAAP-011140-DIE 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).

### ABOUT MACOM:

M/A-COM Technology Solutions Holdings, Inc. ([www.macom.com](http://www.macom.com)) is a leading supplier of high-performance analog RF, microwave and millimeterwave and semiconductor photonic 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 and wireless networks, 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, 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.

MACOM, M/A-COM, M/A-COM Technology Solutions, M/A-COM Tech, Partners in RF & Microwave, Partners from RF to Light, The First Name in Microwave and related logos are trademarks of MACOM. All other trademarks are the property of their respective owners.

For more information about MACOM, please visit [www.macom.com](http://www.macom.com) follow [@MACOMtweets](https://twitter.com/MACOMtweets) on Twitter, join MACOM on [LinkedIn](https://www.linkedin.com/company/macom), or visit the MACOM [YouTube Channel](https://www.youtube.com/channel/UC...).

**DISCLAIMER FOR NEW PRODUCTS:**

Any express or implied statements in MACOM product announcements are not meant as warranties or warrantable specifications of any kind. The only warranty MACOM may offer with respect to any product sale is one contained in a written purchase agreement between MACOM and the purchaser concerning such sale and signed by a duly authorized MACOM employee, or, to the extent MACOM's purchase order acknowledgment so indicates, the limited warranty contained in MACOM's standard Terms and Conditions for Quotation or Sale, a copy of which may be found at <http://www.macom.com/support>.

**FOR SALES INFORMATION, PLEASE CONTACT:**

North Americas -- Phone: 800.366.2266

Europe -- Phone: +353.21.244.6400

India -- Phone: +91.80.43537383

China - Phone: +86.21.2407.1588

**MEDIA CONTACTS:**

M/A-COM Technology Solutions Inc.

Ozzie Billimoria, 978-656-2896

[ozzie.billimoria@macom.com](mailto:ozzie.billimoria@macom.com)

or

Rainier Communications

Colin Boroski, 508-475-0025 x142

[cboroski@rainierco.com](mailto:cboroski@rainierco.com)

or

embedded PR

Gerlinde Knoepfle, +49 (0)89 64913634-12

[gk@embedded-pr.de](mailto:gk@embedded-pr.de)

Source: M/A-COM Technology Solutions Inc.

News Provided by Acquire Media