



Partners from RF to Light

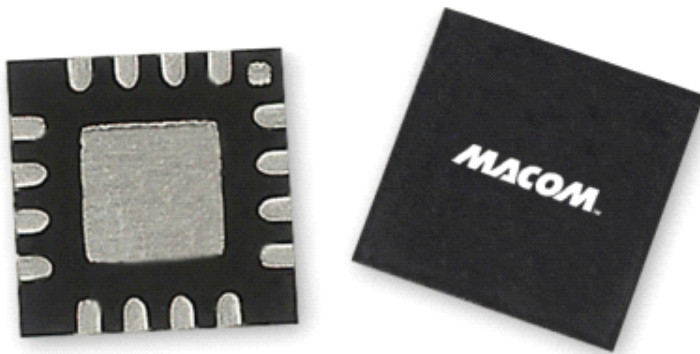
May 16, 2016

MACOM Expands Industry Leading MMIC Portfolio With 1 Watt Power Amplifier

The new MAAP-011232 delivers high gain across the 100 MHz to 3.0 GHz frequency range

LOWELL, Mass.--(BUSINESS WIRE)-- MACOM Technology Solutions Inc. ("MACOM"), a leading supplier of high-performance RF, microwave, millimeterwave and photonic products, today introduced the [MAAP-011232](#), a 2-stage, 1 Watt driver amplifier featuring gain shut off and operating from 100 MHz to 3 GHz. This device is suited to both driver and power requirements across a broad range of applications, including land-mobile-radio, military communications, sensors, telemetry, test and measurement and satellite communications.

This Smart News Release features multimedia. View the full release here: <http://www.businesswire.com/news/home/20160516005452/en/>



The [MAAP-011232](#) features a typical gain of 23 dB and up 40% power added efficiency. The device can be operated between 5V to 9V and consumes less than 300 mA at maximum output power of 1 Watt. The MAAP-011232 device is fully matched while operating in the 100 MHz to 1GHz frequency range and can be tuned with input matched to perform up to 3 GHz. The device is offered in a 3mm 16 lead PQFN plastic package.

"The MAAP-011232 was designed to offer customers excellent power and drive performance over a broad frequency range," said Paul Beasley, Product Manager, RF and Microwave, MACOM. "The high gain and enable function can replace the need for additional gain blocks and/or attenuators in customers' systems, which makes the device an ideal candidate for applications that require a small footprint and surface-mount solution."

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performance for the MAAP-011232:

The table below outlines typical

Parameter	Units	MAAP-011232
Small Signal Gain	dB	23
Output Power at 1 dB Compression	dBm	29
Saturated Output Power	dBm	30
Power Added Efficiency	%	40
Reverse Isolation	dB	50
Output Third Order Intercept	dBm	40
Drain Supply Voltage	V	9

Production quantities and samples of MAAP-011232 are available from stock. Datasheets and additional product information can be obtained from the MACOM website at: www.macom.com.

MACOM will be featuring its MMIC portfolio at IMS, Booth #939, May 22nd-27th in San Francisco, California. To make an appointment to learn more, contact your local sales representative.

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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