
MACOM Introduces New GaN-on-Silicon Carbide Power Amplifier Product Line

Lowell, Massachusetts, August 5, 2020 – [MACOM Technology Solutions Inc.](https://www.macom.com) (“MACOM”), a leading supplier of semiconductor solutions, today announced at the virtual International Microwave Symposium (IMS) the introduction of its new Gallium Nitride on Silicon Carbide (GaN-on-SiC) power amplifier product line, which it is branding **MACOM PURE CARBIDE™**. The company also announced the introduction of the first two new products in the product line, the MAPC-A1000 and the MAPC-A1100.

“This new product line significantly enhances the capability of our existing RF Power product portfolio,” said Stephen G. Daly, President and Chief Executive Officer. “GaN on Silicon Carbide is a compelling technology and we are excited to begin offering our customers both standard and custom **MACOM PURE CARBIDE™** power amplifier solutions.”

- The **MAPC-A1000** is a high power GaN-on-SiC amplifier designed to operate between 30 MHz and 2.7 GHz and is housed in a surface mount plastic package. The easy-to-use general purpose amplifier integrates an input match which simplifies the customer’s design-in effort. The amplifier can deliver more than 25 W (44dBm) at greater than 50% efficiency from 500 MHz to 2.7 GHz when tested in a circuit designed for operation over 2.2 GHz simultaneous bandwidth.
- The **MAPC-A1100** is a high power GaN-on-SiC amplifier designed to operate up to 3.5 GHz. The device is capable of supporting both CW and pulsed operations with output power levels of at least 65 W (48.1dBm) in an air cavity ceramic package.

The two new general purpose amplifier products are ideal for use in avionics, high power mobile radios, wireless systems and test instrumentation.

ABOUT MACOM:

MACOM designs and manufactures semiconductor products for Data Center, Telecommunication and Industrial and Defense applications. Headquartered in Lowell, Massachusetts, MACOM has design centers and sales offices throughout North America, Europe and Asia. MACOM is certified to the ISO9001 international quality standard and ISO14001 environmental management standard.

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