

***NUWAVES ENGINEERING ANNOUNCES THE DEVELOPMENT OF A 15 WATT
MMIC-BASED C-BAND RADIO FREQUENCY POWER AMPLIFIER MODULE FOR
COMMUNICATIONS, TELEMETRY AND ELECTRONIC WARFARE MARKETS***

Middletown, Ohio, November 30th, 2016 – NuWaves Engineering, an international Radio Frequency (RF) and Microwave solutions provider, announced the upcoming release of the latest offering in the NuPower™ small, lightweight and high-efficiency power amplifier (PA) family of products – the 15 Watt NuPower™ 06C09A C-band PA, which will be available in the second quarter of 2017.

The NuPower™ 06C09A will be the first in a series of PA products using NuWaves proprietary GaN-on-SiC microwave monolithic integrated circuit (MMIC) technology. The NuPower™ 06C09A provides saturated RF power of 15 Watts (typical) in C-band (frequency coverage from 4.5 GHz to 6.25 GHz), with an impressive 40 dB of RF gain and module efficiencies of greater than 35%. Further, the PA's aluminum chassis features a compact size of 2.5" x 2.0" x 0.65", making it small enough for integration into a wide variety of air- or ground-based tactical, test, or training platforms. With an impressive size, weight, power, and cost (SWaP-C) profile, the NuPower™ 06C09A can be used with communications and telemetry systems to provide range extension or with electronic warfare systems for airborne electronic attack (AEA) at low and medium altitudes, including unmanned aircraft systems (UAS).

“The NuPower 06C09A PA is the first in an expansive new line of PA modules featuring NuWaves' proprietary MMIC technology. By designing our own PA MMICs, we can target specific customer needs without relying solely on commercially available devices,” said Jeff Wells, President and CEO of NuWaves Engineering. “We are using this technology to add higher frequency products to our lineup, with Ka-band amplifiers on the horizon.”

NuWaves Engineering is a veteran-owned, premier supplier of RF and Microwave solutions for Department of Defense (DoD), government, and industrial customers. An RF engineering powerhouse, NuWaves offers a broad range of design and engineering services related to the development and sustainment of key communications, telemetry and electronic warfare systems, as well as a complete line of commercially available RF products. NuWaves' products include wideband frequency converters, high-efficiency and miniature solid state power amplifiers and bidirectional amplifiers, high intercept low noise amplifiers, plus miniature RF filters and custom cavity RF filters. NuWaves Engineering...Trusted RF Solutions™.

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