

***NUWAVES ENGINEERING ANNOUNCES THE DEVELOPMENT OF A LOW-COST
4 WATT LINEAR VHF/UHF RADIO FREQUENCY BIDIRECTIONAL AMPLIFIER
MODULE FOR COMMUNICATIONS, TELEMETRY AND ELECTRONIC WARFARE
MARKETS***

Middletown, Ohio, August 29, 2016 – NuWaves Engineering, an international Radio Frequency (RF) and Microwave solutions provider, announced the Internal Research and Design (IRaD) effort for a miniaturized VHF/UHF RF bidirectional amplifier (BDA). The NuPower™ Xtender™ model 16A06A will feature high linearity performance and small size, at an affordable price point.

The NuPower™ Xtender™ 16A06A model, part number NW-BA-16A06A, will provide 4 Watts of linear power over the frequency range of 225 MHz to 512 MHz. The BDA will produce greater than 10 Watts of output power for applications where linearity is not required (i.e., constant envelope waveforms). Available as a circuit card assembly or as a connectorized module, the BDA provides the system integrator with the choice of a small, lightweight assembly for highly embedded designs, or a connectorized module for rugged reliability under harsh conditions. As a circuit card assembly, the BDA measures 2.3” x 1.9” x 0.4”, with the connectorized version measuring 2.5” x 2.1” x 0.6”. Further, the unit features a broad supply voltage range of +10 to +30 VDC, supporting an array of RF communications, telemetry and electronic warfare applications, including systems running on battery power.

“We are excited to begin the development of this bidirectional amplifier module. This product is targeted at the unmanned aircraft system (UAS) market, filling the gap in the market for small, linear VHF/UHF power amplifiers,” said Jeff Wells, President and CEO of NuWaves Engineering. “The NuWaves’ team takes pride in our ability to support our clients with best-in-class RF solutions, rapidly fulfilling the ever-changing needs of the Warfighter.”

NuWaves Engineering is a 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 and miniature RF filters. NuWaves Engineering...Trusted RF Solutions™.

The NuPower™ Xtender™ 16A06A is expected to be available in the first quarter of 2017. Please contact Jarred Lawler, Director of Product Solutions, at (513) 360-0800, jarred.lawler@nuwaves.com, or visit www.nuwaves.com for more information.

###