

**NUWAVES ENGINEERING RELEASES LOW-COST 4 WATTS LINEAR VHF/UHF
RADIO FREQUENCY BIDIRECTIONAL AMPLIFIER MODULE**

Middletown, Ohio, June 30th, 2017 – NuWaves Engineering, an international Radio Frequency (RF) and Microwave solutions provider, has released their smallest, lightest, and lowest cost bidirectional amplifier (BDA), the NuPower Xtender VU4GX01 (OEM) & VU4GX02 VHF/UHF RF BDA. The latest addition to NuWaves’ line of NuPower Xtender BDAs, these BDA modules feature high linearity performance, industry leading miniaturization techniques for small size and low weight, high adjacent channel leakage ratio (ACLR), and a broad supply voltage range. At \$1,850 each in quantities of 100, the NuPower Xtender VU4GX01 OEM BDA is the perfect low-cost solution for communications, telemetry, and electronic warfare applications.

The NuPower™ Xtender™ VU4GX01 provides 4 Watts of linear power over the frequency range of 225 MHz to 512 MHz, and greater than 10 Watts of saturated output power for applications where linearity is not required (i.e., constant envelope waveforms). Measuring a tiny 2.34” x 2.34” x 0.61” at 1.92 ounces, this BDA module provides the system integrator with a small, lightweight assembly for highly embedded designs that offers rugged reliability under harsh conditions. Targeting an adjacent channel leakage ratio (ACLR) of -33 dBc at 4 watts average power output, this BDA is capable of achieving higher data throughput and a clearer reliable signal. This BDA also features a broad supply voltage range of +10 to +32 VDC, capable of supporting an array of RF communications, telemetry and electronic warfare applications, including systems running on battery power.

“We are excited to add this bidirectional amplifier module to our NuPower™ Xtender™ line of products. 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 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, and miniature RF filters. NuWaves Engineering... Trusted RF Solutions™.

The NuPower™ Xtender™ VU4GX01 & VU4GX02 are available today with units currently in stock. Please contact Jarred Lawler, Director of Product Solutions, at (513) 360-0800, jarred.lawler@nuwaves.com, or visit www.nuwaves.com for more information.

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