

***NUWAVES ENGINEERING INTRODUCES 10 WATT VHF THROUGH S-BAND RADIO
FREQUENCY POWER AMPLIFIER MODULE FOR COMMUNICATIONS,
TELEMETRY AND ELECTRONIC WARFARE MARKETS***

Middletown, Ohio, August 9, 2016 – NuWaves Engineering, an international Radio Frequency (RF) and Microwave solutions provider, announced the release of an upgraded broadband RF power amplifier (PA) for VHF to S-band transmitters and data radios. The NuPower™ 11B02A model, featuring high power efficiency and multi-octave operation in a compact package, is available for immediate shipment.

The NuPower 11B02A model, part number NW-PA-11B02A, replaces the NuPower Mini Multi-Octave Power Amplifier model, part number NW-SSPA-MINI-10W-0.225-2.6, delivering a minimum of 7 Watts, and typically 10 Watts, of RF power from 225 to 2550 MHz when driven with a 3 dBm (2 milliwatt) RF input signal. Featuring an improved standby to transmit switching speed of less than 30 microseconds, the NuPower 11B02A allows the user to rapidly switch between the operating modes, conserving energy between transmit cycles in power-limited applications such as unmanned aircraft systems (UAS). The PA's upgraded rugged aluminum chassis, at 2.34" x 1.96" x 0.620" in size, maintains the footprint of the original, allowing for drop-in compatibility between the two units. Further, the unit features a broad supply voltage range of +11 to +32 VDC, supporting an array of RF communications, telemetry and electronic warfare applications, including systems running on battery power.

“Our second generation miniature broadband power amplifier module has been improved in several areas as a result of customer feedback and NuWaves’ innate desire to improve our processes,” said Jeff Wells, President and CEO of NuWaves Engineering. “The NuWaves’ team has done an excellent job improving many aspects of the manufacturing process for this product, allowing us to better support the Warfighter through shortened production schedules.”

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™.

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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