
NUWAVES ENGINEERING INTRODUCES IMPROVED 15 WATT MULTI-OCTAVE RF POWER AMPLIFIER MODULE

Middletown, Ohio, June 7, 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™ 11C01A model, featuring high power efficiency and multi-octave operation in a compact package.

The NuPower™ 11C01A model, part number NW-PA-11C01A, will replace the NuPower™ Multi-Octave Power Amplifier model, part number NW-SSPA-15W-0.225-2.4, delivering a minimum of 10 Watts, and typically 15 Watts, of RF power from 225 to 2400 MHz when driven with a 0 dBm (1 milliwatt) RF input signal. Featuring power efficiency in the 25% to 45% range, and 40 dB of RF gain, the NuPower™ 11C01A provides high-efficiency RF amplification for a variety of transmitters, transceivers and data links that do not require linear performance. The PA's upgraded rugged aluminum chassis, at 3.00" x 2.00" x 0.65" in size, provides an additional 25 degrees Celsius (C) of operational headroom with its new +85 degrees C maximum baseplate temperature rating. Additionally, the chassis maintains the footprint of the original, allowing for drop-in compatibility between the two units. The standby to transmit switching speed of less than 2 microseconds 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). Further improvements include 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 broadband Multi-Octave Power Amplifier module follows in the footsteps of our flagship L- & S-Band Solid State PA (the 12B01A), offering robust RF performance in a small package,” said Jeff Wells, President and CEO of NuWaves Engineering. “Increased production efficiency and strict quality control measures under AS9100C have allowed us to manufacture, test, and deliver product to the Warfighter faster than ever.”

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™.

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