

## **NUWAVES ENGINEERING INTRODUCES 35 WATT L- AND S-BAND RADIO**

### **FREQUENCY POWER AMPLIFIER MODULE FOR COMMUNICATIONS, TELEMETRY AND ELECTRONIC WARFARE MARKETS**

Middletown, Ohio, July 13, 2016 – NuWaves Engineering, an international Radio Frequency (RF) and Microwave solutions provider, recently introduced the latest offering in the NuPower™ small, lightweight and high-efficiency power amplifier (PA) family of products with the NuPower™ 12D05A L- and S-band PA.

The NuPower™ 12D05A provides saturated RF power of 35 Watts in L-band and 20 Watts in Sband

(frequency coverage from 1700 MHz to 2400 MHz), with module efficiencies of 35% to 55%. With a nominal input drive level of 0 dBm, the NuPower™ 12D05A offers an impressive 44 dB of RF gain. Further, the PA's aluminum chassis features improved heat dissipation characteristics for higher-temperature operation, and at a compact size of 4.50" x 3.50" x 0.61", it is small enough for integration into a wide variety of air- or ground-based tactical, test or training platforms. With an impressive size, weight and power (SWaP) profile, the NuPower™ 12D05A can be used with communications and telemetry systems to provide range extension or with electronic warfare systems for airborne electronic attack (AEA) at low altitudes, including unmanned aircraft systems (UAS).

"With the proliferation of COTS and GOTS low-power radios operating in the L- and S-band telemetry bands, the NuPower™ 12D05A offers the systems integrator the ability to achieve greater communication distances than would be attainable with the radios alone" said Jeff Wells, President and CEO of NuWaves Engineering. "NuWaves Engineering takes pride in offering first-rate communications solutions to the Warfighter. Our power amplifiers enable greater standoff distances for UAS and unmanned ground vehicle (UGV) applications, giving our armed forces the advantage in hostile environments."

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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