

**NUWAVES ENGINEERING ANNOUNCES THE DEVELOPMENT OF A 100 WATT L- & S-BAND RADIO FREQUENCY POWER AMPLIFIER MODULE FOR COMMUNICATIONS, TELEMETRY AND ELECTRONIC WARFARE MARKETS**

Middletown, Ohio, November 1<sup>st</sup>, 2016 – NuWaves Engineering, an international Radio Frequency (RF) and Microwave solutions provider, announced the upcoming release of the latest offering in the NuPower™ small, lightweight and high-efficiency power amplifier (PA) family of products – the 100 Watt NuPower™ 12K08A L- & S-band PA, which will be available in late Q1 2017.

The NuPower™ 12K08A provides saturated RF power of 100 Watts in L- & S-band frequency coverage from 1.7 GHz to 2.5 GHz), with module efficiencies of up to 58%. With a nominal input drive level of 0 dBm, the NuPower™ 12K08A offers an impressive 50 dB of RF gain. Further, the PA's aluminium chassis features improved heat dissipation characteristics for higher temperature operation and, at a compact size of 7.25" x 4" x 0.8", 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, power, and cost (SWaP-C) profile, the NuPower™ 12K08A can be used with communications and telemetry systems to provide range extension or with electronic warfare systems for airborne electronic attack (AEA) at low and medium altitudes, including unmanned aircraft systems (UAS).

“For the systems integrator that requires greater communications range, the NuPower™ 12K08A will provide a significant improvement with its 100 Watts of output power.” said Jeff Wells, President and CEO of NuWaves Engineering. “NuWaves Engineering takes pride in offering first-rate communications solutions to the War-fighter. Our high-power amplifiers enable greater standoff distances for UAS and unmanned ground vehicle (UGV) applications, giving our armed forces the advantage in hostile environments.”

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.



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