



## Guerrilla RF Launches Innovative GRF5847 Linear PA Module Featuring Fully Matched 50-Ohm Interfaces and Industry-Leading Output Power

*New 4.4–5.2 GHz power amplifier combines 35+ dBm output power, 50%+ efficiency, and fully integrated matching in a compact surface mount package*

**GREENSBORO, NC — June 10, 2026** — Guerrilla RF, Inc. (OTCQX: GUER), a leading provider of advanced radio frequency (RF) and microwave semiconductors, today announced the production launch of its innovative **GRF5847** linear power amplifier (PA) module. As Guerrilla RF's flagship PA solution for the 4.4 GHz to 5.2 GHz band, the GRF5847 combines fully integrated 50-ohm input and output matching with exceptional output power, efficiency, and linearity in a compact surface mount package.

### GRF5847 Technical Attributes

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Fabricated on a new InGaP HBT process and packaged in a compact 2.5 mm x 3.0 mm LAMM-12 package, the GRF5847 requires no external input or output matching components, enabling engineers to achieve best-in-class PA performance while minimizing board area, bill-of-materials cost, and overall design complexity.

The GRF5847 is Guerrilla RF's flagship linear PA solution for the 4.4 GHz to 5.2 GHz frequency band, supporting a broad range of wireless infrastructure, aerospace, and defense applications. The frequency range is widely used in high-data-rate **UAS** payload communications, upper C-band **tactical radio** systems, and n79 massive MIMO cellular infrastructure deployments. The device can be deployed as either a final-stage power amplifier or as a high-linearity driver amplifier, providing flexibility across a wide variety of signal-chain architectures.

*"The successful release of the GRF5847 marks an important milestone for Guerrilla RF. As our first fully integrated amplifier solution, this new PA advances the state of the art for our 5V InGaP HBT technology, delivering exceptional output power while maintaining excellent linearity. Customers in the UAS, tactical radio, and wireless infrastructure markets consistently cite the GRF5847's broadband coverage, low EVM, and outstanding linearity as key advantages over competing solutions."*

— Ryan Pratt, Founder and CEO, Guerrilla RF

The GRF5847 is the company's first fully integrated linear PA module and continues to gain traction due to its unique combination of output power, efficiency, linearity, and ease of implementation. Operating from a single 3 V to 5 V supply, the device delivers more than 35 dBm of saturated output power across the 4.4 GHz to 5.2 GHz band while achieving power-added efficiency greater than 50%. The amplifier provides approximately 40 dB of gain and delivers 43 dBm OIP3 performance, making it one of the highest-linearity solutions available in its class.

The device's exceptional native linearity often eliminates the need for digital predistortion (DPD), reducing system complexity and power consumption while enabling simpler and more cost-effective transmitter designs. Combined with its fully integrated on-chip matching network, the GRF5847 allows engineers to achieve outstanding RF performance without the burden of extensive external matching circuitry.

## IMS2026 – Boston, MA

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The GRF5847 will be on display this week at **IMS2026**, the annual IEEE International Microwave Symposium being held in Boston, Massachusetts. Guerrilla RF sales and marketing personnel will be available at Richardson RFPD's Booth 12070 and RFMW's Booth 18054 to answer questions and provide guidance on the GRF5847 as well as the company's complete portfolio of RFIC solutions, including low-noise amplifiers (LNAs), gain blocks, driver amplifiers, power amplifiers, RF switches, RF power detectors, digital step attenuators (DSAs), and digitally controlled variable gain amplifiers (DVGAs).

## Additional Information

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The GRF5847 datasheet is available for download at <https://www.guerrilla-rf.com/products/detail/sku/GRF5847>. Designers interested in evaluation boards, component recommendations, and design-in support are encouraged to contact Guerrilla RF's applications team at [applications@guerrilla-rf.com](mailto:applications@guerrilla-rf.com).

To explore Guerrilla RF's full portfolio of RFIC solutions, visit [www.guerrilla-rf.com/solutions](http://www.guerrilla-rf.com/solutions).

## About Guerrilla RF

Founded in 2013, Guerrilla RF, Inc., develops and manufactures high-performance, state-of-the-art radio frequency (RF) and microwave semiconductors for wireless OEMs in multiple high-growth market segments, including network infrastructure for 5G/4G macro and small cell base stations, SATCOM, cellular repeaters/DAS, automotive telematics, military communications, navigation, and high-fidelity wireless audio. The Company has an extensive portfolio of 175+ high-performance RF and microwave semiconductor devices with 35+ new products in development. As one of the fastest-growing semiconductor firms in the industry, Guerrilla RF drives innovation through its R&D to commercialization initiatives and focuses on product excellence and custom solutions to underserved markets. The Company has shipped over 285 million devices. For more information, please visit <https://www.guerrilla-rf.com/> or follow the Company on [Twitter](#) and [LinkedIn](#).

## Forward-Looking Statements

This press release may contain forward-looking statements within the meaning of Section 21E of the Securities Exchange Act of 1934 and the Private Securities Litigation Reform Act of 1995, which statements are inherently subject to risks and uncertainties. Forward-looking statements include projections, predictions, expectations, or beliefs about future events or results or otherwise are not statements of historical fact. Such statements are often characterized by the use of qualifying words (and their derivatives) such as “expect,” “believe,” “estimate,” “plan,” “project,” “anticipate,” or other statements concerning opinions or judgments of the Company and its management about future events. You should not place undue reliance on forward-looking statements because they involve known and unknown risks, uncertainties, and assumptions that are difficult or impossible to predict and, in some cases, beyond the Company’s control. Actual results may differ materially from those in the forward-looking statements as a result of several factors, including those described in the Company’s filings with the SEC available at <https://www.sec.gov>. Forward-looking statements speak only as of the date they are made. The Company undertakes no obligation to revise or update information in this release to reflect events or circumstances in the future, even if new information becomes available.

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