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NEWS RELEASE

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## Richardson RFPD Introduces Three New Devices from Guerrilla RF

*High-linearity gain block and ultra-low noise amplifier for small cell/wireless infrastructure; high-frequency power-LNA™ for 802.11ac 5 GHz PA/driver applications*

**October 4, 2017 – Geneva, Ill.:** Richardson RFPD, Inc. announced today the availability and full design support capabilities for [three of the newest parts](#) from Guerrilla RF, Inc.

The [GRF2013](#) is a broadband gain block with low noise figure and high linearity designed for small cell, wireless infrastructure and other high-performance applications. It features 1.3 dB noise figure, +38.5 dBm OIP3 and +22.5 dBm OP1dB over a range of 0.7 GHz to 3.8 GHz with a single match. Optimizing the bias inductor and coupling caps for lower frequency operation yields strong performance down to 50 MHz. The addition of simple external matching yields outstanding linearity and gain performance up to 8 GHz. The device is operated from a supply voltage of 2.7 V to 5.0 V with a selectable Iddq range of 30 mA to 120 mA for optimal efficiency and linearity.

The [GRF2081](#) is a broadband, linear, ultra-low noise amplifier. It delivers 18.2 dB gain, 0.38 dB noise figure, +19.8 dBm OP1dB and +37.0 dBm OPI3 over a range of 1.7 GHz to 2.7 GHz using a single tune. V<sub>DD</sub> can be varied from 2.7 V to 5.0 V, depending on application requirements.

The GRF2013 and GRF2081 are designed for small cell, wireless infrastructure and other high-performance RF applications requiring the absolute lowest possible noise figure, high gain and outstanding linearity.

The [GRF5511](#) is a high-linearity power amplifier/linear driver with low noise figure. It delivers 20.1 db gain, +26.1 dBm OP1dB, +39.6 dBm OPI3 and 1.5 dB noise figure over a wide range of frequencies with fractional bandwidths >15%. The device offers flexible biasing to achieve optimal linearity and efficiency, and it can be tuned over a wide range of frequencies from 700 MHz up to 6 GHz.

The GRF5511 is well suited to demanding 802.11ac 5 GHz power amplifier/driver applications.



To find more information, or to purchase these products today online, please visit the [Featured Products from Guerrilla RF](#) webpage. The devices are also available by calling 1-800-737-6937 (within North America); or please find a local sales engineer (worldwide) at [Local Sales Support](#). To learn about additional products from Guerrilla RF, please visit the [Guerrilla RF storefront](#) webpage.



#### **About Richardson RFPD**

Richardson RFPD, an Arrow Electronics company, is a global leader in the RF and wireless communications, power conversion and renewable energy markets. It brings relationships with many of the industry's top radio frequency and power component suppliers. Whether it's designing components or engineering complete solutions, Richardson RFPD's worldwide design centers and technical sales team provide comprehensive support for customers' go-to-market strategy, from prototype to production. More information is available online at [www.richardsonrfpd.com](http://www.richardsonrfpd.com).

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