

## For Immediate Release

# Mouser Signs Exclusive Global Distribution Deal with Guerrilla RF

**May 26, 2016** – [Mouser Electronics](http://www.mouser.com), Inc. today announced an exclusive global distribution agreement with [Guerrilla RF](http://www.guerrillarf.com), a leading provider of high-performance monolithic microwave integrated circuits (MMICs) to wireless infrastructure manufacturers.

The [Guerrilla RF product line](#), now available exclusively from Mouser Electronics, comprises four series of low-noise amplifiers (LNAs). The [GRF205x](#) series ultra-LNAs boast exceptional noise figure, gain, and linearity, and supports a wide range of high-performance LNA applications. The devices' flexible application circuits result in simple, low-cost implementations that allow for optimal efficiency and reuse.

The [GRF2501](#) high-gain ultra-LNA is designed for IEEE 802.11a/n/ac/p applications in the 5 GHz band (4.9 GHz to 6.0 GHz). This device exhibits exceptional de-embedded noise figures (NFs) as low as 0.80 dB across the band, along with excellent gain and high linearity. The device uses a single supply voltage of from 2.7 to 5.0 volts, with a typical bias condition of 3.3 V and 12 mA. The [GRF2505](#) is a broadband ultra-low noise linear amplifier designed for demanding 802.11ac and wireless backhaul LNA and power amplifier (PA) driver applications. The amplifier exhibits outstanding broadband NF, linearity, and return losses over 4.0 to 6.0 GHz with a single match. The GRF2505 operates from a single positive supply of 1.8 V to 5.0 V with a selectable I<sub>DDQ</sub> range of 20 to 70 mA for optimal efficiency and linearity. The amplifier is internally matched to 50 Ohms at the input and output ports, requiring only seven external resistor, inductor, and capacitor (RLC) components

The [GRF400x](#) series of broadband low-noise gain blocks are designed for small-cell, wireless infrastructures. The devices exhibit outstanding [radio frequency](#) (RF) performance over multiple GHz bandwidths with little or no external RF matching, delivering excellent NF and linearity over supply voltages ranging from 1.8 to 5.0 volts. Bias currents can be set independently from V<sub>dd</sub>, allowing a linear solution with optimal efficiency. The amplifiers are suitable for applications requiring first- or second-stage LNA, or can be used as linear transmit drivers. The [GRF4042](#) is a high-performance amplifier that offers bypass functionality and incorporates Guerrilla Armor™ technology, which provides high off-state isolation even in the presence of high-RF input powers. This isolation is especially useful in [TDD systems](#) in which significant transmitter RF power can leak into the transceiver receive path.

Guerrilla RF's [GRF50x0](#) Power LNA™ series consists of high-power, low-noise devices that, with simple matching, can be tuned to cover 100 MHz up to 6.0 GHz (100 MHz to 3.8 GHz for the GRF5040) with fractional bandwidths greater than 20 percent. Devices in the GRF50x0 series are ideal for multistage LNA applications, microwave backhaul, and distributed antenna systems.

To learn more about the Guerrilla RF product line available exclusively from Mouser Electronics, visit <http://www.mouser.com/querrilla-rf>.

With its broad product line and unsurpassed customer service, Mouser caters to design engineers and buyers by delivering What's Next in advanced technologies. Mouser offers customers 22 global support locations and stocks the world's widest selection of the latest semiconductors and electronic components for the newest design projects. Mouser Electronics' website is updated daily and searches more than 10 million products to locate over 4 million orderable part numbers available for easy online purchase. Mouser.com also houses an industry-first interactive catalog, data sheets, supplier-specific reference designs, application notes, technical design information, and engineering tools.

### **About Mouser Electronics**

Mouser Electronics, a subsidiary of TTI, Inc., is part of Warren Buffett's Berkshire Hathaway family of companies. Mouser is an award-winning, authorized semiconductor and electronic component distributor, focused on the rapid introduction of new products and technologies to electronic design engineers and buyers. Mouser.com features more than 4 million products online from more than 600 manufacturers. Mouser publishes multiple catalogs per year providing designers with up-to-date data on the components now available for the next generation of electronic devices. Mouser ships globally to over 500,000 customers in 170 countries from its 750,000 sq. ft. state-of-the-art facility south of Dallas, Texas. For more information, visit [www.mouser.com](http://www.mouser.com).

### **About Guerrilla RF**

Guerrilla RF provides high-performance monolithic microwave integrated circuits (MMICs) to wireless infrastructure original equipment manufacturers in multiple market segments, including enterprise/carrier-class Wi-Fi access points, small cells, wireless backhaul and cellular repeaters. Headquartered in Greensboro, North Carolina, the company was founded in April 2013.

### **Trademarks**

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– 30 –

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