



## **Guerrilla RF Ramps Production of Ultra-LNA Devices Featuring Industry Leading Noise Figure and Linearity**

*Company Now Ramping 10 Production Parts;  
Expected to Reach 20 Devices by the End Q3*

**GREENSBORO, N.C. – July 29, 2015** – Guerrilla RF Inc., a leading provider of high performance MMICs, today announced it has received volume production orders for its premier ultra-low noise amplifier (Ultra-LNA) devices with industry-leading noise figure (NF), gain and linearity. The GRF2051, along with the higher gain GRF2052, support a wide range of high performance LNA applications including macro base stations, small cells, distributed antenna systems (DAS) and other high performance applications requiring the absolute lowest possible NF along with the highest possible input-referenced linearity.

“Guerrilla RF is pleased to be ramping production of these ultra-low noise amplifiers,” said Alan Ake, vice president of applications and technical marketing at Guerrilla RF. “These devices showcase our technical capability and allow our customer’s systems to achieve maximum receiver sensitivity and dynamic range. Their flexible application circuits result in a simple and low-cost implementations that allow for optimal efficiency and re-use.”

According to Research and Markets, the overall wireless network infrastructure market will witness tremendous growth over the coming years. Growing at a compound annual growth rate of over 5 percent, the market will account for over \$104 billion in annual spending by the end of 2020.

### **About Guerrilla RF’s Broadband, Ultra-Low Noise Amplifiers**

The [GRF2051](#) sets the standard for ultra-low noise figure and input-referenced linearity over the 1.7 – 3.8 GHz bands while the [GRF2052](#), provides a higher gain, ultra-low noise figure alternative over the 2.3 – 4.5 GHz bands. Whether used as first stage LNAs, linear drivers or cascaded gain blocks, their simple external matching, adjustable

current and flexible Vdd allow these devices to be used in multiple locations within a single design or across platforms. The devices achieve outstanding RF performance and reliability at operating temperatures up to +105C. The GRF2051 and GRF2052 are offered in a 2.0 x 2.0 x 0.55 mm QFN-12 package.

### **Pricing and Availability**

Full production is underway. Pricing for 10,000 parts is \$1.37 each.

### **About Guerrilla RF**

Guerrilla RF provides high performance monolithic microwave integrated circuits to wireless infrastructure original equipment manufacturers for greater coverage area and higher data rates. With the company's patented Guerrilla Armor™ technology, team of industry veterans and the best semiconductor process technologies, Guerrilla RF is making a big impact across multiple market segments including enterprise and carrier-class WiFi access points, small cells, wireless backhaul and defense. Guerrilla RF is headquartered in Greensboro, N.C. All trademarks are the property of their respective owners. For more information please visit <http://guerrilla-rf.com> or follow the company on [LinkedIn](#).

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