



Guerrilla RF's Ultra-LNA™ Families Feature Industry-Leading Noise Figure

*Next-Generation Amplifiers Offer Industry Leading NF and Gain over 400 to 6000 MHz
for High Performance Infrastructure Applications*

San Francisco – May 24, 2016 – Guerrilla RF Inc., a leading provider of high performance MMICs, today introduces the GRF207X and GRF208X families of ultra-low noise amplifiers, adding to the company's growing portfolio of infrastructure amplifiers. The devices are offered in an industry standard 2x2 mm DFN-8 package.

“Guerrilla RF is proud to offer these new amplifiers which address a critical industry need for the high-gain, stable LNA solutions offering the lowest possible noise figure. With their industry leading low NF and high gain, these devices enable the low cascaded receiver noise figures that cellular infrastructure applications require,” said Alan Ake, vice president of applications and technical marketing at Guerrilla RF. “The internal architecture of these devices results in simple external matching which yields excellent fractional bandwidths exceeding 40 percent with a single set of matching component values. These devices deliver incredibly low NF levels. As an example, GRF2071/GRF2081 evaluation board NF at 1.9 GHz is typically 0.35 dB.”

According to Research and Markets, the overall wireless network infrastructure market will witness tremendous growth over the coming years. 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 Ultra-LNA™ Devices

- The [GRF207X](#) and GRF208X LNA families each contain four devices internally optimized to cover the following bands:
 - GRF2070/2080: 0.4 to 1.5 GHz
 - GRF2071/2081: 1.4 to 2.7 GHz
 - GRF2072/2082: 2.3 to 3.8 GHz

- GRF2073/2083: 3.0 to 6.0 GHz
- The RF performance of the devices in the two families is essentially the same. GRF208X offers a shutdown capability on pin 6 making the devices optimal for TDD applications, while GRF207X allows the user to set Iddq independently from Vdd via the enable input to pin1 – thus enabling optimal power consumption for a particular application.

Pricing and Availability

The GRF207X devices will begin sampling in June 2016, and the GRF208X devices will begin sampling in July 2016. Pricing for 10,000 parts is \$1.37 for all of the devices in the GRF207X/GRF208X families.

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 WiFi access points, small cells, wireless backhaul and cellular repeaters. Headquartered in Greensboro, N.C., the company was founded in April 2013 and to date, it has raised more than \$4.0 million in funding. GRF is currently sampling over 40 devices with more than 15 of those in volume production. 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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