



Guerrilla RF's New Ultra-Low Noise Amplifier Family Features Industry Leading Noise Figure and Highest Level of Performance

Outstanding Linearity and Flat Gain Enables Small Cells, Macro Base Stations and Distributed Antenna Systems Covering 1700 – 3800 MHz

GREENSBORO, N.C. – January 20, 2015 – Guerrilla RF Inc., a leading provider of high performance MMICs, today introduces an Ultra-low noise amplifier (Ultra-LNA) family with industry-leading noise figure (NF) and the highest level of performance. These new high linearity solutions support a number of wireless infrastructure devices including high performance small cell LNAs, macro base station LNAs, distributed antenna systems (DAS) and general purpose LNA applications requiring the absolute lowest possible NF.

“Guerrilla RF is proud to provide designers and purchasing managers with these exceptional capabilities,” said Alan Ake, vice president of applications and technical marketing at Guerrilla RF. “We are excited to help our wireless infrastructure customers obtain maximum receiver sensitivity and improve receiver dynamic range with minimal external components, which ultimately yields a simple and low-cost application circuit that allows 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 New Broadband, Ultra-Low Noise Amplifiers

The [GRF2051](#) (optimized for 1700 – 2700 MHz frequencies) and [GRF2052](#) (optimized for 2300 – 3800 MHz that can be tuned to 6 GHz) Ultra-LNAs provide industry-leading NF and gain performance with simple external matching, adjustable current and flexible Vdd. Configured as a first-stage LNA, linear driver or a cascaded

gain block, these 2.0 x 2.0 x 0.55 mm devices offer high levels of reuse – within a design and across platforms.

Pricing and Availability

Samples and evaluation boards are available now, with full production scheduled for the second quarter. 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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