



## **Guerrilla RF Releases Broadband, High-Gain, Linear Driver/Low Noise Amplifier**

*Features High Gain and Linearity, 0.8 dB Noise Figure, Low Current and Simple Broadband Matching for VHF to 5.0 GHz Applications*

**Honolulu – June 7, 2017** – Guerrilla RF Inc., a leading provider of high performance MMICs, today introduces GRF4014, a new addition to the company’s growing list of broadband, low-noise linear drivers. The amplifier is targeted at small cells, cellular boosters and other broadband, high-performance applications offering broadband frequency coverage with a minimal number of external components. It is offered in an ultra-small 1.5 x 1.5 mm DFN-6 package, thus sharing a common pin out with numerous other Guerrilla RF devices including the GRF400X and GRF201X device families.

“Guerrilla RF is proud to offer this new amplifier which addresses an industry need for a cost-effective, broadband driver delivering outstanding RF performance with low-power consumption over a wide frequency range,” said Alan Ake, vice president of applications and technical marketing at Guerrilla RF. “The device’s flexible biasing capability allows for high levels of reuse with optimal efficiency over a wide range of linearity requirements. Simple matching, along with the 1.5 mm DFN-6 package, results in a compact application footprint.”

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 New Broadband LNA**

The GRF4014 can be operated over a range of Vdd from 3.0 to 8.0 volts, and Iddq can be controlled independently from Vdd thus allowing the device efficiency to optimized for a

given application requirement. The device can cover 1700 to 3800 MHz with a single set of external components with gain: 17.0 dB, OP1dB: 24.8 dBm, Noise Figure: 0.8 dB at 2500 MHz at 5.0 volts and 65 mA. Biased at 8.0 volts and 100 mA, the device OP1dB is > 28 dBm with NF and gain essentially unchanged from their 5.0 volt values.

### **Pricing and Availability**

GRF4014 samples and evaluation boards are available now. Pricing for 10,000 parts is \$1.05. Production is scheduled for Q3 2017.

### **About Guerrilla RF**

Guerrilla RF provides high performance monolithic microwave integrated circuits (MMICs) to wireless original equipment manufacturers in multiple market segments, including enterprise/carrier-class WiFi access points, small cells, wireless backhaul, automotive and cellular repeaters. The company's patented Guerrilla Armor™ technology enables greater coverage area and higher data rates for wireless networks. Headquartered in Greensboro, N.C., the company was founded in April 2013 by Ryan Pratt. To date it has raised \$7.8 million in funding and has over 30 products shipping in production volumes. 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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