

## Qorvo's® Newest GaN Power Amplifier Offers Industry-Leading Saturated Power for C-Band Applications

Combines Two Times Increase in RF Output Power with Industry-Leading Efficiency in the Same Footprint As Previous Generation GaN PA



**GREENSBORO, NC – December 16, 2020** – Qorvo® (Nasdaq:QRVO), a leading provider of innovative RF solutions that connect the world, today introduced the industry's highest-power GaN MMIC power amplifier (PA) that delivers up to 100 watts of saturated power in a small, 7 mm x 7 mm QFN package. The PA is internally matched and requires no additional external RF components, enabling designers and system integrators to maximize design by reducing size and weight while offering better performance. The integrated Surface Mount Technology (SMT) package design enables customers to manufacture at a lower cost compared to die or bolt-down flange package alternatives.

The Qorvo QPA2309, built on the company's patented QGaN25HV wafer process, operates between 5-6 GHz (C-band) and delivers an industry-best power added efficiency (PAE) of 52%. This GaN PA provides defense radar customers with two times higher saturated power, higher large signal gain and improved PAE in the same package size as the previous generation product. Qorvo also offers customers the option of a 50-watt version (QPA2310) in the same package configuration.

Dean White, senior director of Qorvo's Defense and Aerospace business said, "The QPA2309 gives defense customers the ability to dramatically increase their power density output in the same design footprint, to increase radar range and sensitivity without adding size or weight."

The QPA2309 and QPA2310 with the following specifications, are available for sampling to qualified customers.

Specifications	QPA2309	QPA2310
Frequency Range	5.0 - 6.0 GHz	5.0 - 6.0 GHz
P <sub>SAT</sub>	100 Watts	50 Watts
PAE	52%	53%
Power Gain	22 dB	23 dB
Bias	VD = 50V, IDQ = 600 mA	VD = 50V, IDQ = 300 mA
Package Dimensions	7.0 x 7.0 x 0.82 mm	7.0 x 7.0 x 0.82 mm

Qorvo offers the industry's largest, most innovative GaN-on-SiC portfolio to help customers realize superior efficiency and operational bandwidth. The company's GaN-on-SiC products deliver high power density, reduced size, excellent gain, high reliability and process maturity. Qorvo is a leading supplier of RF products and compound semiconductor foundry services to defense primes and other global defense and aerospace customers. Qorvo is the only supplier to achieve a Manufacturing Readiness Level 10 (MRL 10) rating from the U.S. Department of Defense.

### About Qorvo

Qorvo (Nasdaq: QRVO) makes a better world possible by providing innovative Radio Frequency (RF) solutions at the center of connectivity. We combine product and technology leadership, systems-level expertise and global manufacturing scale to quickly solve our customers' most complex technical challenges. Qorvo serves diverse high-growth segments of large global markets, including advanced wireless devices, wired and wireless networks and defense radar and communications. We also leverage unique competitive strengths to advance 5G networks, cloud computing, the Internet of Things, and other emerging applications that expand the global framework interconnecting people, places and things. Visit [www.qorvo.com](http://www.qorvo.com) to learn how Qorvo connects the world.

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This press release includes "forward-looking statements" within the meaning of the safe harbor provisions of the Private Securities Litigation Reform Act of 1995. These forward-looking statements include, but are not limited to, statements about our plans, objectives, representations and contentions, and are not historical facts and typically are identified by use of terms such as "may," "will," "should," "could," "expect," "plan," "anticipate," "believe," "estimate," "predict," "potential," "continue" and similar words, although some forward-looking statements are expressed differently. You should be aware that the forward-looking statements included herein represent management's current judgment and expectations, but our actual results, events and performance could differ materially from those expressed or implied by forward-looking statements. We do not intend to update any of these forward-looking statements or publicly announce the results of any revisions to these forward-looking statements, other than as is required under U.S. federal securities laws. Our business is subject to numerous risks and uncertainties, including those relating to fluctuations in our operating results; our substantial dependence on developing new products and achieving design wins; our dependence on a few large customers for a substantial portion of our revenue; a loss of revenue if contracts with the United States government or defense and aerospace contractors are canceled or delayed or if defense spending is reduced; the COVID-19 pandemic, which has and will likely continue to negatively impact the global economy and disrupt normal business activities, and which may have an adverse effect on our results of operations; our dependence on third parties; risks related to sales through distributors; risks associated with the operation of our manufacturing facilities; business disruptions; poor manufacturing yields; increased inventory risks and costs due to timing of customer forecasts; our inability to effectively manage or maintain evolving relationships with platform providers; risks from international sales and operations; economic regulation in China; changes in government trade policies, including imposition of tariffs and export restrictions; our ability to implement innovative technologies; underutilization of manufacturing facilities as a result of industry overcapacity; we may not be able to borrow funds under our credit facility or secure future financing; we may not be able to generate sufficient cash to service all of our debt; restrictions imposed by the agreements governing our debt; volatility in the price of our common stock; damage to our reputation or brand; fluctuations in the amount and frequency of our stock repurchases; our recent and future acquisitions and other strategic investments could fail to achieve financial or strategic objectives; our ability to attract, retain and motivate key employees; our reliance on our intellectual property portfolio; claims of infringement of third-party intellectual property rights; security breaches and other similar disruptions compromising our information; theft, loss or misuse of personal data by or about our employees, customers or third parties; warranty claims, product recalls and product liability; and risks associated with environmental, health and safety regulations and climate change. Many of the foregoing risks and uncertainties are, and will continue to be, exacerbated by the COVID-19 pandemic and any worsening of the global business and economic environment as a result. These and other risks and uncertainties, which are described in more detail in Qorvo's most recent Annual Report on Form 10-K and in other reports and statements filed with the Securities and Exchange Commission, could cause actual results and developments to be materially different from those expressed or implied by any of these forward-looking statements.