



News Release

Qorvo® Delivers Superior Ku-Band SATCOM Performance with Three Compact, High-Power MMIC Amplifiers

GREENSBORO, NC – June 17, 2024 – Qorvo® (Nasdaq: QRVO), a leading global provider of connectivity and power solutions, today announced three new MMIC power amplifiers designed specifically for Ku-Band satellite communications (SATCOM) terminals. These products are the latest additions to a family of devices designed to enhance performance and efficiency in satellite uplink systems, supporting the growing demand for high-speed data communications in defense and aerospace applications. The output power of the amplifier family ranges from 8W to 55W, providing flexibility to choose the optimal power required for each specific requirement.

Product Highlights

- [QPA1314](#): This high-power MMIC amplifier operates in the 13.75 to 14.5 GHz range, delivering a saturated output power of 55W and a linear power of 20W with 25 dBc third-order intermodulation distortion products. It is packaged in a 15 x 15 mm bolt-down configuration with a copper base for superior thermal performance and reliability. With a large signal gain of 22.5 dB and 30% power-added efficiency, it is ideal for both commercial and defense SATCOM and radar applications.
- [QPA0016](#): Designed for applications requiring 15W of output power, this amplifier combines high efficiency with a compact 7.5 x 5 mm SMT package, making it well suited for a variety of satcom terminal designs.
- [QPA0015](#): This amplifier delivers 8W of power in a 7 x 4.5 mm SMT package for high-throughput ground and mobile terminals, offering a balance of power, size and efficiency.

Doug Bostrom, general manager of Qorvo's Defense and Aerospace business, said, “Qorvo is excited to introduce our latest offerings, which open up new possibilities in datalinks, radar and satellite communications. With over two decades of experience providing SATCOM solutions, we have worked closely with design engineers who drive SATCOM advancements. Based on their valuable input, our new amplifier family represents the next logical step in advancing these designs.”

Innovative Features and Benefits

- **Wide Frequency Range:** All three amplifiers operate primarily in the 13.75 to 14.5 GHz band, with extended frequency coverage from 12.75 to 15.35 GHz to provide coverage ranging from lower Ku-band to CDL band. This wide frequency range ensures versatile and flexible operation, enabling seamless communication across various satellite and terrestrial systems.
- **High Efficiency:** These amplifiers provide up to 12% higher power-added efficiency, enhancing the overall performance and reducing power consumption in SATCOM systems.
- **Compact Packaging:** The variety of package sizes, including both bolt-down and surface-mount options, ensures easy integration into existing and new terminal designs, supporting both traditional and innovative ground terminal applications.

- **Enhanced Thermal Management:** The QPA1314's copper base and the compact designs of the QPA0016 and QPA0015 provide superior thermal performance, ensuring reliability and longevity in demanding environments.

Samples of the QPA1314, QPA0016 and QPA0015 are now available from Qorvo and its authorized distributors. Samples and production devices of the [previously released QPA0017](#) are also available. For more information, including datasheets and purchasing options, visit [Qorvo's SATCOM Solutions site](#).

Connect with Qorvo at IMS 2024 Booth 1125, June 16-21, in Washington, D.C. For more information about Qorvo's new RF solutions or meeting inquiries, visit the [Qorvo IMS 2024 landing page](#).

About Qorvo

Qorvo (Nasdaq: QRVO) supplies innovative semiconductor solutions that make a better world possible. 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 automotive, consumer, defense & aerospace, industrial & enterprise, infrastructure and mobile. Visit www.qorvo.com to learn how our diverse and innovative team is helping connect, protect and power our planet.

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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.