



New Product Announcement

Qorvo TGA2224 Wideband Power Amp, Now at Mouser Electronics, Offers 5W Output for Radar and Communications Systems

September 26, 2019 – [Mouser Electronics](#), Inc., the industry's leading New Product Introduction (NPI) distributor with the widest selection of semiconductors and electronic components, is now stocking the [TGA2224](#) wideband MMIC power amplifier from [Qorvo](#). The TGA2224 amplifier produces greater than 37 dBm (5 W) of saturated output power and 16 dB of large-signal gain, making the device ideal for commercial and defense systems.

The [Qorvo TGA2224](#) power amplifier, available from Mouser Electronics, is fabricated on Qorvo's production 0.15 μ m gallium nitride (GaN)-on-silicon carbide process (QGaN15) and produces required power and gain while achieving greater than 20 percent power-added efficiency (PAE). The TGA2224 has a frequency range of 32 GHz to 38 GHz and can support a wide range of operating conditions, including pulsed and continuous wave. The TGA2224 radio frequency ports — matched to 50 ohms — are direct current coupled to ground for improved electrostatic discharge performance.

Applications for the TGA2224 include radar, satcom systems, electronic warfare, space communications, and point-to-point [communications](#).

To learn more about the associated fully tested and assembled TGA2224EVB1 evaluation board, visit www.mouser.com/qorvo-tga2224evb1-eval-board. For more information on the TGA2224 amplifier, go to www.mouser.com/qorvo-wide-band-mmic-power-amplifier.

With its broad product line and unsurpassed customer service, Mouser strives to empower innovation among design engineers and buyers by delivering advanced technologies. Mouser stocks the world's widest selection of the latest semiconductors and electronic components for the newest design projects. Mouser Electronics' website is continually updated and offers advanced search methods to help customers quickly locate inventory. Mouser.com also houses data sheets, supplier-specific reference designs, application notes, technical design information, and engineering tools.

About Mouser Electronics

Mouser Electronics, a Berkshire Hathaway company, is an award-winning, authorized semiconductor and electronic component distributor focused on rapid New Product Introductions from its manufacturing partners for electronic design engineers and buyers. The global distributor's website, Mouser.com, is available in multiple languages and currencies and features more than 5 million products from over 750 manufacturers. Mouser offers 26 support locations around the world to provide best-in-class customer service and ships globally to over 630,000 customers in 223 countries/territories from its 750,000 sq. ft. state-of-the-art facility south of Dallas, Texas. For more information, visit www.mouser.com.

About Qorvo

Qorvo makes a better world possible by providing innovative Radio Frequency (RF) solutions at the center of connectivity. The company combines product and technology leadership, systems-level expertise and global manufacturing scale to quickly solve 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. The company also leverages 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.

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For further information, contact:

Kevin Hess, Mouser Electronics
Senior Vice President of Marketing
(817) 804-3833
Kevin.Hess@mouser.com

For press inquiries, contact:

Kelly DeGarmo, Mouser Electronics
Corporate Communications & Media Relations Manager
(817) 804-7764
Kelly.DeGarmo@mouser.com