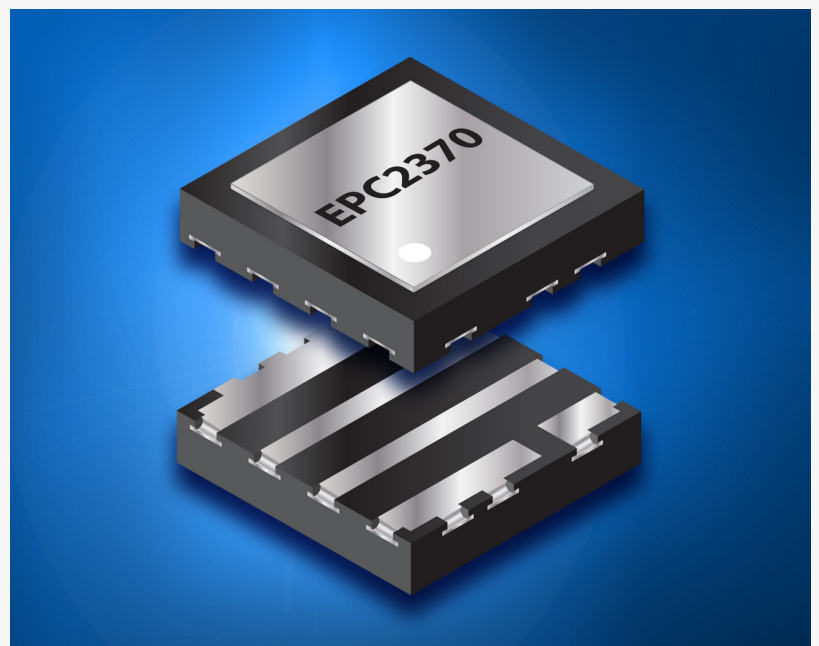


EPC Announces Mass Production of EPC2370 18 V GaN FET for Next-Generation AI Power Architectures

0.28 mΩ eGaN® FET, rated for 22 V transients, enables higher efficiency, 1 MHz+ switching, and higher power density in advanced high-current DC-DC converters.

EL SEGUNDO, CA, UNITED STATES, August 20, 2026 /EINPresswire.com/ -- [Efficient Power Conversion \(EPC\)](#), a leader in enhancement mode gallium nitride (eGaN®) power devices, today announced the mass production of the [EPC2370](#), an ultra-low on-resistance 18 V eGaN® FET engineered to enhance the efficiency and power density of next-generation AI server power supplies. The EPC2370 has a 22 V transient voltage rating that allows it to replace MOSFETs with ratings as high as 25 V.



EPC 2370 eGaN now in mass production

AI power architectures are transitioning to 800 VDC power distribution, adopting 6 V high-density, multi-kilowatt intermediate bus converters operating at 1 MHz. Developed on EPC's seventh-generation GaN platform, the EPC2370 delivers a benchmark 101 A continuous current rating, 0.28 mΩ typical $R_{ds(on)}$, 26 nC gate charge, and ultra-low switching losses in a compact 3.3 mm × 3.3 mm thermally enhanced, dual-side-cooled PQFN package. These features enable designers to maximize efficiency, reduce converter and magnetic component sizes, and meet demanding thermal management requirements.

"The rapid evolution of AI infrastructure demands power switches that optimize both conduction and switching performance," said Jason Zhang, Vice President of DC-DC Marketing and System Engineering at EPC. "Together with our recently released primary-side GaN switches (EPC2305, EPC2367, EPC2361), the EPC2370 was specifically developed for 6 V output, high-current synchronous rectification, enabling next-generation high-density, high-current power supplies

where a low $R \times Q$ figure of merit is critical."

The EPC2370 is optimized for center-tapped synchronous rectification in 48 V-to-6 V and 800 V-to-6 V power converters. Its 18 V continuous and 22 V transient ratings provide ample voltage margin for reliable operation while enabling peak efficiencies of 98% and full-load efficiencies of 97% in high-density power modules. Beyond AI servers, the EPC2370 is also well suited for high-current DC-DC converters used in high-performance computing, telecommunications infrastructure, and advanced industrial power systems.

A promotional graphic for the EPC2370 eGaN device. It features a blue background with a 3D rendering of the device and its carrier. The device is a square chip with 'EPC2370' printed on it, sitting in a carrier with multiple pins. To the right of the device, the following specifications are listed: '18 V', '0.28 mΩ', and '3.3 x 3.3 mm'. Below the device, the text 'EPC 2370 eGaN now in mass production' is displayed. In the bottom right corner, the EPC logo is shown with the tagline 'EFFICIENT POWER CONVERSION' and a stylized arrow pointing right.

EPC2370 eGaN®
Now in Mass Production

18 V
0.28 mΩ
3.3 x 3.3 mm

EPC
EFFICIENT POWER CONVERSION

EPC 2370 eGaN now in mass production

To accelerate evaluation and product development, EPC also offers the [EPC90168](#) evaluation board. Measuring 2" x 2", the EPC90168 features two EPC2370 GaN FETs configured as a half bridge. The board includes all critical components and an optimized layout to maximize switching performance. It also provides multiple probe points for convenient waveform measurements and efficiency evaluation.

“

The rapid evolution of AI infrastructure demands power switches that optimize both conduction and switching performance,”
Jason Zhang, EPC VP of DC-DC Marketing and System Engineering

Price and Availability

The EPC2370 is now available through EPC’s global distribution network, including Digi-Key and Mouser, with production ramping to meet growing demand from AI computing, server power supplies, telecommunications infrastructure, industrial systems, and other high-

performance low-voltage power applications.

EPC2370 is available in 1,000-piece quantities for US\$ 2.52 each. The EPC90168 evaluation board is available for \$260.

About EPC

EPC is the leader in enhancement mode gallium nitride (eGaN®) based power management. Founded in 2007 by experts in power electronics, semiconductors, and business management, the company leverages cutting-edge technology to advance the field of power electronics through the development and commercialization of GaN-based power devices. eGaN FETs and

integrated circuits provide performance many times greater than the best silicon power MOSFETs in applications such as DC-DC converters, remote sensing technology (lidar), motor drives for eMobility, robotics, and drones, and satellites.

Follow EPC on social media:

LinkedIn, YouTube, Facebook, Twitter, Instagram, YouKu

Follow us on WeChat

eGaN is a registered trademark of Efficient Power Conversion Corporation, Inc.

Press contact: Efficient Power Conversion: Maurizio Di Paolo Emilio tel: +39 3381426036 email: maurizio.dipaoloemilio@epc-co.com

Maurizio Di Paolo Emilio
Efficient Power Conversion
maurizio.dipaoloemilio@epc-co.com

Visit us on social media:

[LinkedIn](#)

[Facebook](#)

[X](#)



This press release can be viewed online at: <https://www.einpresswire.com/article/935738121>

EIN Presswire's priority is source transparency. We do not allow opaque clients, and our editors try to be careful about weeding out false and misleading content. As a user, if you see something we have missed, please do bring it to our attention. Your help is welcome. EIN Presswire, Everyone's Internet News Presswire™, tries to define some of the boundaries that are reasonable in today's world. Please see our Editorial Guidelines for more information.

© 1995-2026 Newsmatics Inc. All Right Reserved.