

Industry-Leading 300 V Rad-Hard GaN FET for Higher Voltage Satellite Power Systems Now Available from EPC Space

ANDOVER, MA, UNITED STATES, June 25, 2025 /EINPresswire.com/ -- EPC

Space, a leader in radiation-hardened (RH) gallium nitride (GaN) power devices, announces the launch of the [EPC7030MSH](#), a radiation-hardened (RH) 300 V gallium nitride (GaN) FET that delivers unmatched performance for high-voltage, high-power space applications, including

next-generation satellite power plants and electric propulsion systems.



The EPC7030MSH 300V RH GaN FET delivers high current and rad-hard reliability, meeting the rigorous demands of higher-voltage space power architectures and simplifying thermal design for our customers”

Bel Lazar, CEO of EPC Space

As satellite platforms require higher voltage buses to support growing power demands and advanced solar array technologies, the EPC7030MSH addresses a critical need for efficient, compact, and robust front-end power conversion.

With the lowest RDS(on) and gate charge in its class, the EPC7030MSH delivers the highest power current rating among all 300 V rad-hard GaN FETs currently on the market. This makes it ideal for front-end DC-DC converters

that must operate under stringent thermal and radiation constraints.

“The EPC7030MSH 300V RH GaN FET delivers high current and rad-hard reliability, meeting the rigorous demands of higher-voltage space power architectures and simplifying thermal design for our customers,” said Bel Lazar, CEO of EPC Space.

Key Features:

- Rated for 300 V operation at LET = 63 MeV, and 250 V at LET = 84.6 MeV
- Lowest RDS(on) and QG of any 300 V rad-hard GaN FET
- Highest current rating in its voltage class
- FSMD-M hermetic surface-mount package optimized for conduction cooling and increased creepage distance
- Compatible with existing GaN gate drivers

Target Applications:

- Front-end DC-DC converters in satellite power systems
- Power conversion for higher voltage distribution buses
- Electric propulsion platforms requiring compact, high-performance switching

The EPC7030MSH is part of EPC Space's ongoing mission to deliver space-grade Radiation Hardened GaN solutions that outperform silicon Radiation Hardened MOSFETs in efficiency, size, and thermal management—enabling more capable, reliable, and scalable satellite systems.

For 500-unit quantities engineering models are priced at 236 USD, and Rad Hard space qualified are priced at 349 USD.

For product details, please see EPC7030MSH page [HERE](#)

For more information on EPC and EPC Space visit our websites:

<https://epc-co.com>

<https://epc.space>

About EPC Space

EPC Space provides revolutionary high-reliability radiation-hardened enhancement-mode gallium nitride power management solutions for space and other harsh environments.

Radiation hardened GaN-based power devices address critical spaceborne environments for applications such as power supplies, motor drives, ion thrusters, and more.

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

Renee Yawger

EPC Space

+1 908-619-9678

[email us here](#)

The advertisement features a satellite in orbit above Earth. A line connects the satellite to a circular inset showing a close-up of the EPC7030MSH GaN FET component. Another line points from the satellite to the text 'Electric Propulsion'. The EPC SPACE logo is prominently displayed at the bottom of the image area.

Industry-Leading 300 V Rad-Hard GaN FET for Higher Voltage Satellite Power Systems

300 V Bus

Electric Propulsion

EPC SPACE

Industry-Leading 300 V Rad-Hard GaN FET for Higher Voltage Satellite Power Systems

Visit us on social media:

[LinkedIn](#)

[X](#)

This press release can be viewed online at: <https://www.einpresswire.com/article/825283918>

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.

© 1995-2025 Newsmatics Inc. All Right Reserved.