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MPS offers a full family of ultra-low power digital isolator products designed to meet the requirements of harsh industrial and automotive environments. Using MPS's proprietary, capacitive-based isolation technology, these digital isolators can support 5kV RMS insulation voltage, >100kV/µs of CMTI, and up to 150Mbps data rate transmission.

In this webinar, learn why power factor correction (PFC) is needed and how to implement it, followed by an introduction to LLC converters and MPS solutions for both architectures. The following topics will be covered in this webinar:

The power rails in the PL domain are for the RFSoc, and the power rails in the PS domain are for the embedded arm core. The power rails are consolidated to minimize the required number of converters. The MPS power module solution minimizes the PCB space and simplifies the power supply design. Figure 1. MPS Power Solution for Zynq UltraScale+ RFSoc

Monolithic Power Systems, Inc. ("MPS") is a fabless global company that provides high-performance, semiconductor-based power electronics solutions. Incorporated in 1997, our three core strengths include deep system-level knowledge, strong semiconductor design expertise, and innovative proprietary technologies in the

Monolithic Power Systems. The highest quality power solutions for Industrial Applications, Telecom Infrastructures, Cloud Computing, Automotive, and Consumer Applications. Who we are. We are creative thinkers. We break boundaries. We take technology to new levels. As a leading international semiconductor company, Monolithic Power Systems (MPS ...

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Modules from Monolithic Power Solutions (MPS) can further add to the competitive advantages of power modules, such as ease of design, cost effectiveness, efficiency and size, with the additional benefits of higher ...

Monolithic Power Systems, Inc. (MPS) provides small, highly energy efficient, easy-to-use power management solutions for electronic systems found in industrial applications, telecom infrastructure, cloud computing, automotive, and consumer applications

Our DC-DC power converters insure your devices dc power conversion is accurate, stable, low noise, low

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EMI, low ripple, and efficient while requiring minimal component count and cost. Our dc power converters are available in a wide variety of configurations, including step-down (buck), step-up (boost), and step-down/step-up (buck/boost). Our cutting-edge, cost-effective dc dc ...

Monolithic Power Systems is headquartered in Kirkland, Washington. The company designs, develops, and markets for communications, storage and computing, consumer electronics, industrial, and automotive markets, in addition to supporting the electrification of transportation. Monolithic Power Systems markets its products through third-party distributors and value-added resellers...

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Explore digital isolators with integrated power by focusing on their benefits, applications, design challenges, and optimization strategies. Obtain a detailed understanding of digital isolators . Historical evolution

Digital controllers and their power stage solutions bring flexibility and adaptability as well as precise control, telemetry, and protection features. This enables power designers to create state-of-the-art power solutions with high efficiency and power density to meet both the current and future high-power needs for the rapidly expanding AI ...

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