



## Power Products Article Archive

Articles published in the March 2024 issues

Products are listed here using the following format:

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**Article title**, Part number/product name

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### January 2024:

**SPICE Library Adds SiC Power Devices And IGBTs**, ROHM Semiconductor's expanded SPICE model lineup

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**SiC MOSFET Half-Bridge Modules Are Engineered For Reliability**, SemiQ's GCMX010A120B2B1P and other SiC MOSFET modules

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**Student-Oriented Text Teaches Methods For Finding Transfer Functions**, From Stairway Press, *The Fast Track to Determining Transfer Functions of Linear Circuits*

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**SiC MOSFET Half-Bridge Module Is Hermetically Sealed**, Solitron Devices' SD11487 SiC power module

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**Low-Voltage HEMTs Come In Easy-To-Use Flip-Chip QFNs**, Innoscience Technology's INN040FQ043A, INN100FQ016A, INN100FQ025A, INN150FQ032A, and INN150FQ070A GaN HEMTs

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**GaN FETs With Integrated Gate Drivers Shrink AC-DC Adapters**, Texas Instruments' LMG3622, LMG3624 and LMG3626 GaN FETs

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### February 2024:

**120-W DC-DC Converter Family Addresses Deep Space, New Space, And Defense Requirements**, Crane Aerospace & Electronics' xMOR family of dc-dc converters

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**Offline Switcher ICs Enable Design Of Highly Efficient, Compact USB PD Adapters**, Power Integrations' InnoSwitch5-Pro switcher ICs

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**ZVS Flyback Converter Chipset Offers Versatile, Efficient Design For USB-C PD Adapters And Chargers**, Infineon Technologies' EZ-PD PAG2 ZVS flyback converter chipset

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**Digital Totem Pole PFC Controller Adds 650-V Half-Bridge Gate Driver**, Hynetek's HP1012 totem-pole PFC digital controller

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**Fast-Switching GaN FETs Enable 75- To 231-A Laser Diode Control For Automotive LiDAR**, EPC's EPC9179, EPC9181, and EPC9180 evaluation boards featuring pulse-current laser drivers

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**100-V Bidirectional GaN IC For 48-V And 60-V Battery Management Systems**, Innoscience Technology's INV100FQ030A member of the company's VgAN IC family

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**Digital Isolators Support Speeds To 150 Mbps And Protection To 8 kV**, NOVOSENSE Microelectronics' NSI824xWx quad-channel digital isolators

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**1200-V SiC MOSFETs Target Industrial Applications**, Nexperia's NSF040120L3A0 and NSF080120L3A0 SiC MOSFETs

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### March 2024:

**Solid-State Isolators Deliver Faster Switching With Lower Power Dissipation**, Infineon Technologies' family of solid-state isolators (iSSIs)

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**GaN FET Features 1-m $\Omega$  On-Resistance**, EPC's EPC2361GaN FET

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**Switcher ICs Improve Efficiency For Multi-Output Power Supplies**, Power Integrations' InnoMux-2 power-supply ICs

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**Space COTS DC-DC Converters Deliver Up To 100 W For New Space Applications**, VPT's VSC100-2800S dc-dc converters

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***SiC MOSFET Modules In Full-Bridge Configurations Delivery High Efficiency And Reliability, SemiQ's QSiC 1200-V SiC MOSFET modules***

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***Powder Cores Catalog Highlights New Materials, Magnetics' latest catalog***

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***Trench MOS Schottky Barrier Diodes Achieve Low Reverse-Recovery Time, ROHM Semiconductor's YQ series 100-V breakdown SBDs***

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