

Power Products Article Archive

Articles published in the January through December 2023 issues

Products are listed here using the following format:

Issue date:

Article title, *Part number/product name*

[For more details...](#)(link to article)

January 2023:

900-V GaN Power ICs Feature Low On-Resistance And Low Leakage,
GaNPower International's GPI4TIC15DFV and GPI6TIC15DFV GaN ICs

[For more details...](#)

Mobile App Eases Power Stage Design, *Dmitriy's Power Stage Design Tool*

[For more details...](#)

Latest-Gen 150-V MOSFET Is Optimized For Light Electric Vehicles,
Magnachip Semiconductor's MDT15N054PTRH 150-V MXT MOSFET

[For more details...](#)

ZVS Power-Supply ICs Combine Programmability, High Efficiency and Small Size, *Power Integrations' InnoSwitch4-Pro family of flyback ICs*

[For more details...](#)

February 2023:

Water-Cooled Probe Achieves Tiny Size Needed To Measure Power Supply Noise Rejection, *Picotest's P2124A high-speed line modulator*

[For more details...](#)

Compact eFuses Offer 2.8-V to 23-V Operating Range, *Vishay Intertechnology's SiP32433A/B and SiP32434A/B eFuses*

[For more details...](#)

Wide-Voltage-Range Hot-Swap Controller Offers Programmable Digital SOA Control, *Infineon Technologies' XDP710 digital controller*

[For more details...](#)

IC Enables Safe And Flexible Power Distribution In Automotive E/E Architectures, *Renesas Electronics' RAJ2810024H12HPD Intelligent Power Device*

[For more details...](#)

Buck-Boost Reference Design Yields Small 140-W Fast Charger, *From EPC and Richtek, a bidirectional buck-boost controller reference design board*

[For more details...](#)

Power Products Article Archive

Articles published in the January through December 2023 issues

High-Voltage Driver Offers A Highly Integrated Solution For MEMS Switches, Menlo Micro's MM101 eight-channel driver with integrated charge pump
[For more details...](#)

Rad-Tolerant LDO Targets LEO Applications, Microchip Technology's MIC69303RT 3-A COTS low-dropout voltage regulator
[For more details...](#)

Laser Driver IC Enables Higher-Density Lidar Systems, EPC's EPC21701 laser driver IC with 80-V, 40-A FET for time-of-flight lidar systems
[For more details...](#)

A Highly Integrated Gate Driver IC For Battery-Powered BLDC Motor Drives, Infineon's 6ED2742S01Q MOTIX three-phase gate driver IC
[For more details...](#)

Supercapacitors Are Automotive Qualified, KYOCERA AVX's five SCC series supercapacitors
[For more details...](#)

March 2023:

Open-Source Magnetics Design Platform Is Launched, Open Magnetics, an open-source platform
[For more details...](#)

Linear Rack And Benchtop Power Supplies Offer Wide Range Of DC Outputs, Acopian's Infinity Rack and Benchtop power supplies
[For more details...](#)

An Extensive Range Of Radial-Leaded Aluminum Electrolytic Capacitors, KYOCERA AVX's REA, REF, REH, RPA, RPF, RHA and RHD series capacitors
[For more details...](#)

LCC Design Tool Tames Complexity Of LED Driver Design, Infineon Technologies' LCC online design tool
[For more details...](#)

High-Performance Vertical GaN Semiconductors Will Begin Production In Q3, NexGen Power Systems' 700-V and 1200-V NexGen Vertical GaN semiconductor devices
[For more details...](#)

Power Products Article Archive

Articles published in the January through December 2023 issues

Designs Accelerate Development Of EV Charging, Vehicle Cluster Control And Other Applications, *Renesas Electronics' 10 Winning Combinations engineering-vetted designs*

[For more details...](#)

Cost-Optimized, Energy-Saving Designs For Power Supplies And Battery Chargers, *Pulsiv's PSV-RDAD-75FB and PSV-RDAD-100FB reference designs*

[For more details...](#)

Gap Filler Pad Excels At Thermal Conductivity And Conformability, *From the Chomerics Division of Parker Hannifin, the THERM-A-GAP PAD 70TP thermally conductive gap filler pad*

[For more details...](#)

BME NP0 MLCCs Are Approved To DLA's Qualified Products Database, *KYOCERA AVX's MIL-PRF-32535 BME NP0 MLCCs*

[For more details...](#)

Power System Design Software Adds 3D Visualization And Other Features, *Flex Power Modules' version 4.5 of Flex Power Designer (FPD) Tool*

[For more details...](#)

Automotive High-Side Drivers Are Scalable And Feature Rich, *STMicroelectronics' VIPower M0-9 series gate drivers*

[For more details...](#)

PoE Switch Adds Network And Security Features For Outdoor Applications, *Microchip Technology's PDS-204GCO PoE switch*

[For more details...](#)

April 2023:

Active EMI Filter ICs Enable Smaller Power Supply Designs, *Texas Instruments' TPSF12Cx family of active EMI filter ICs*

[For more details...](#)

900-V Switcher ICs Benefit EV And Industrial Applications, *Power Integrations' 900-V InnoSwitch3 flyback switcher ICs*

[For more details...](#)

SiC FET In TOLL Package Offers Higher Voltage Rating, Lower On-Resistance, *Qorvo's UJ4SC075005L8S SiC FET*

[For more details...](#)

Power Products Article Archive

Articles published in the January through December 2023 issues

Simulation Tools For SiC Devices Improve Accuracy For Soft Switching,
onsemi's online Elite Power Simulator and Self-Service PLECS Model Generator
[For more details...](#)

600-V FREDs Deliver High Efficiency And Improved Thermal Performance,
Taiwan Semiconductor's PUUPxJ series FREDs
[For more details...](#)

Reliability Report Projects GaN Device Lifetime In Real-World Applications,
EPC's Phase-15 Reliability Report
[For more details...](#)

Simulator Eases Evaluation Of SiC Power Solutions, *Microchip Technology's*
MPLAB SiC Power Simulator
[For more details...](#)

BMS Controller Improves Li-Ion Battery Performance, *STMicroelectronics'*
L9961 battery-management-system (BMS) device
[For more details...](#)

Single-Chip Intelligent Battery Management Solutions For 20-Cell Systems,
Qorvo's PAC22140 and PAC25140 Power Application Controller (PAC) devices
[For more details...](#)

ASIL C Safety-Rated Field Current Sensor For EV Powertrain Systems,
Allegro MicroSystems' ACS37601 high-precision, field current sensor
[For more details...](#)

Application-Specific MOSFETs For Hotswap Reduce Footprint, *Nexperia's*
PSMN1R9-100SSE and PSMN2R3-100SSE 80-V and 100-V application specific
MOSFETs (ASFETs)
[For more details...](#)

Integrated 100-V GaN Half-Bridge With Driver Saves Board Space,
Innoscence Technology's ISG3201 SolidGaN half-bridge
[For more details...](#)

May 2023:

International Battery Seminar Showcased Advances In Fast Battery Charging And Battery Test Equipment

- *Iontra's charging technology for Li-ion batteries*
- *BattGenie's software and system integration solutions for Li-ion*

Power Products Article Archive

Articles published in the January through December 2023 issues

battery management systems

- *AMP Energy Management System' hardware and software for charging, energy management and battery management for electric vehicles including its EVCC charge controller and Fast Charge Junction Box*
- *Battery Streak's anode and cathode materials enabling Li-ion batteries capable of 6C-rate charging*
- *TDK-Lambda's GENESYS+ series of programmable dc power supplies*
- *GW Instek's PEL 5000C series and AEL-5000 series of dc and ac/dc loads*
- *CAENs' battery test system*
- *Unico's high-performance drive systems for EV & battery testing*
- *Neware Technology's battery cyclers with built-in environmental test chamber*
- *Venable Instruments' Energy Storage Test Instrument (ESTi)*
- *Hioki's BT5525 battery insulation tester and RM3546 welding resistance meter*
- *Chroma Systems Solutions' battery cell, module, and pack automated test solutions*
- *Opal RT's Battery Management System HIL test solution*

[For more details...](#)

GaN FETs Plus Controller Build High-Density Buck Converter Reference Design, EPC's EPC9158 synchronous buck reference design board

[For more details...](#)

Smart High-Side Switches Protect Sensitive ADAS Loads And The Power Distribution System, Infineon Technologies' PROFET Load Guard 12-V power switches

[For more details...](#)

High-Power Linear Power Supplies Feature Wide Output Voltage Ranges, Acopian's Rack and Benchtop programmable power supplies

[For more details...](#)

Buck Converters Ease Tradeoffs In Size Versus Efficiency, Diodes' AP62500 and AP62800 synchronous buck converters

[For more details...](#)

Application Note Explains How COTS DC-DC Converters Achieve High Reliability, VPT's AN009 4.0 VPT Series DC-DC Converters and Power Accessory Modules application note

[For more details...](#)

Cores Deliver High DC Bias And Saturation With Lower Core Loss, Magnetics' XFlux Ultra powder cores

Power Products Article Archive

Articles published in the January through December 2023 issues

[For more details...](#)

Merged PiN Schottky Structure Enhances Robustness Of 650-V SiC Diodes,
Nexperia's PSC1065K 10-A, 650-V SiC Schottky diode

[For more details...](#)

Connector CAD Models Accelerate Board Design, *From Nicomatic and SnapEDA come CAD models for over 8 million configurations of Nicomatic's connectors*

[For more details...](#)

June 2023:

Power Magnetics Component Roundup

Power Inductors

- *Automotive-Qualified Metal Inductor Offers Wide Range Of Inductance Values, Sumida's CY0650AT125/DS automotive-grade SMD metal inductor*
- *Compact Inductor Offers Shielding, Mechanical Strength, Sumida's CD40D16MB surface-mount ferrite-core inductor*
- *Inductors Target DC-DC Converters In Mil/Aerospace Applications, Vanguard Electronics' HCPI040, HCPI050, HPCI060, HPCI100, and HCPI120 series high-current inductors*
- *Inductors Are Tailored For DC-DC Converters In Portable Applications, Sumida's CRDH10D48RMN surface-mount inductor with Mn-Zn and Ni-Zn core*
- *Flat-Wire Inductors For High-Power Buck-Boost Converters And PFC In EVs, Sumida's CDPQ****/T150 series high-current inductors*
- *Pin-Type Shielded Inductors Withstand 500 Vdc, Sumida's DPQ3535/T150 high-power inductor*
- *Dual-Winding TLVR Inductors Offer 100-nH To 200-nH Values, Pulse's PGL6380.XXXHLT TLVR inductors in a 12-mm x 6-mm x 11.15-mm package*
- *Inductor With L-Shaped Termination Benefits Wearable Devices, Pulse's BDCC and ADCC series of mini-molded inductors*

Power Products Article Archive

Articles published in the January through December 2023 issues

- *Dual-Winding TLVR Inductors Feature Saturation Current Ratings To 117 A, Pulse's PAL6373.XXXHLT series TLVR inductors for server Vcore power*
- *Flat-Wire Inductors Handle High-Current Transient Peaks, Würth Elektronik's WE-XHMA series AEC-Q200-certified surface-mount inductors*

Transformers

- *Forward Converter Transformers Provide Planar Benefits, Bourns' Model PLN0xx-ED21 series planar transformers*
- *Auto Transformer Rectifier Units Save Space And Weight, From Vanguard Electronics, the 2-kW to 10-kW ATRU series includes the TRU-12-2, TRU-12-5, TRU-18-5, TRU-18-10, TRU-30-5, and TRU-30-10 models*
- *Custom Planar Transformers Span 5 W To 20 kW, Payton Planar's custom planar transformers*

Wireless Power Coils

- *Wireless Charging Coils Come In Circular Or Rectangular Formats, Signal Transformer's WRSR and WRSC series coils*

Chokes And Filters

- *High-Current Common-Mode Chokes Feature Low Profile Planar Construction, Pulse's PM9407 series automotive-grade chokes*
- *Inductors Serve As Choke Coils And Filters In Automotive Powertrains, TAIYO YUDEN's AEC-Q200-qualified LAXH series of ferrite power inductors*
- *High-Current Multilayer Chip Bead For Automotive Power Supply Lines, TDK's MPZ2520SPH series multilayer chip bead*
- *Small Common-Mode Chokes Operate From -55°C To 200°C, Vanguard Electronics' XTCMN5 series choke inductors*
- *High-Value Inductors Block Low-Frequency Noise, Sumida's CDR**/T150 series unshielded, high-inductance-value inductors*
- *Common-Mode Chokes Now Come In IATF Versions, Pulse's IATF versions of its SLIC and Shasta chokes*

Power Products Article Archive

Articles published in the January through December 2023 issues

- *High-Current Chokes For Automotive And Industrial Applications, TDK's B82559A*A033 series of shielded, EPCOS ERU33 through-hole chokes*

Cores

- *Custom Powder Core Blends Address Unique Requirements, Magnetics' custom powder core blends*
- *Nanocrystalline Cores For Current Transformers, Magnetics' nanocrystalline cores*

[For more details...](#)

SiC Gate Driver Improves Efficiency, Simplifies Design For EV Traction Inverters, Texas Instruments' UCC5880-Q1 isolated gate driver

[For more details...](#)

A Highly Integrated Wireless Power Transmitter IC For Applications Up To 50 W, Infineon Technologies' WLC1150 wireless charging transmitter IC

[For more details...](#)

GaN ICs Are Robust And Easy To Use, Cambridge GaN Devices' H2 series ICeGaN HEMTs

[For more details...](#)

Hybrid Ultracapacitor UPS System Offers Long Operating Life For Wind Turbines, Richardson Electronics' ULTRAUPS3000 hybrid ultracapacitor UPS

[For more details...](#)

MCUs Offer An Array Of Features For Motor Control Applications, Renesas Electronics' RX and RA families of MCUs

[For more details...](#)

GaN Transistors Expand 100-V And 200-V Rad Hard Options, EPC's EPC7020 200-V, 11-m Ω GaN FET and EPC7003 100-V, 30-m Ω GaN FET

[For more details...](#)

SiC E-Fuse Demonstrator Eases Design Of Solid-State Power Protection, Microchip Technology's SiC-based E-fuse demonstrator board

[For more details...](#)

Power Supplies Enable Battery Characterization, Validation And Simulation, Chroma Systems Solutions' 62000D dc power supplies

[For more details...](#)

E-Mode GAN FETs Address Low- And High-Voltage Applications, Nexperia's

Power Products Article Archive

Articles published in the January through December 2023 issues

GAN080-650EBE, GAN140-650EBE, GAN140-650FBE, GAN190-650EBE, and GAN190-650FBE 650-V, GaN FETs in DFNs; GAN3R2-100CBE 100-V GaN FET in a WLCSP; and GAN7R0-150LBE 150-V GaN FET in an LGA

[For more details...](#)

Wireless Charging Module Meets Qi2 Standard, From NuCurrent and Shanghai Amphenol Airwave Communication Electronics (working with NXP Semiconductors) comes the Qi2 Max wireless charging module

[For more details...](#)

Design Option For Buck Converter IC With Intelligent Power Sharing, Silanna Semiconductor's Power Density Hero online configuration tool can now be used with the SZPL3002A IC

[For more details...](#)

1200-V SiC Power Modules Provide Independent Outputs And Small Size, Solitron Devices' SD11911 and SD11912 1200-V SiC power modules

[For more details...](#)

July 2023:

GaN Driver Integrates Galvanic Isolation For Power Rails Up To 1700 V, STMicroelectronics' STGAP2GS gate driver

[For more details...](#)

PMIC Integrates Essential Functions For Bluetooth Low Energy Designs, Nordic Semiconductor's nPM1300 power management IC

[For more details...](#)

SiC Trench MOSFETs In TO263-7 Boost E-Mobility, Infineon's 1200-V CoolSiC MOSFETs

[For more details...](#)

Utility-Scale Energy Storage Inverters Deliver Flexibility And High Power Density, Dynapower's CPS-2500 and CPS-1250 inverters

[For more details...](#)

3300-V IGBT Module Gate Driver Reports Telemetry Data For Better Control, Power Integrations' 1SP0635 digital single-channel gate-driver board

[For more details...](#)

SiC Schottky Diodes Offer 650-V To 1200-V And 6-A To 10-A Ratings, Bourns' BSDH10G65E2, BSDH10G120E2, BSDD06G65E2, BSDL10S65E6, BSDW20S65C6, BSDW20G120C2SiC Schottky barrier diodes

Power Products Article Archive

Articles published in the January through December 2023 issues

[For more details...](#)

80-V And 100-V MOSFETs Enable Reduced Spiking In More Package Styles, Nexperia's NextPower 80-V and 100-V MOSFETs in LFPAK56 and LFPAK88 packages
[For more details...](#)

700-V SiC MOSFET Is Military Grade, Solitron Devices' SD11710 SiC MOSFET in a hermetically sealed TO-258

[For more details...](#)

Rectifiers Deliver Up To 7 A In DFN3820A Package, Vishay Intertechnology's VxNL63, VxNM63, VxN103, VxNM103, and VxNM153 series of 60-V, 100-V, and 150-V Trench MOS barrier Schottky rectifiers

[For more details...](#)

High-Power Battery Pack Test System Provides Regen And Other Features, Chroma Systems Solutions' Chroma 17040E regenerative battery test system
[For more details...](#)

August 2023:

Free SPICE Tool Revamps Circuit Simulation For Power And Analog Designers, Qorvo's QSPICE circuit simulation software

[For more details...](#)

40-V Rad-Hard GaN FETs Deliver High Performance For LEO And GEO Applications, EPC's EPC7001 and EPC7002 rad-hard GaN FETs

[For more details...](#)

MCU Embedded Power ICs With CAN FD Interface Provide Faster Communication, Infineon Technologies' TLE988x and TLE989x MOTIX MCU embedded power ICs

[For more details...](#)

High-Voltage Driver Shrinks Design For Ultrasound Scanners, STMicroelectronics' STHV200ultrasound IC

[For more details...](#)

IGBT Modules With 800-A Rating Benefit Solar Central Inverters, Infineon Technologies' 62-mm half-bridge and common-emitter module portfolio with 1200-V TRENCHSTOP IGBT7 chips, which includes the FF800R12KE7

[For more details...](#)

Power Products Article Archive

Articles published in the January through December 2023 issues

SJ MOSFETs Combine Low-Noise Characteristics With Fast Reverse-Recovery Time, ROHM Semiconductor's R60xxRNx series 600-V superjunction (SJ) MOSFETs

[For more details...](#)

September 2023:

Hall-Effect And Integrated-Shunt Current Sensors Offer High Accuracy, Texas Instruments' TMCS1123 Hall-effect and EZShunt current sensors

[For more details...](#)

650-V IGBTs Target Energy-Efficient, Harsh-Environment Applications, Infineon's 650-V IGBT7 H7 TRENCHSTOP IGBTs

[For more details...](#)

Power Op Am Delivers High Power With High Speed, Apex Microtechnology's PA198 precision power amplifier

[For more details...](#)

Device Combines 3-A, 600-V Rectifier And 200-W TVS In 5-mm x 6-mm Package, Vishay Intertechnology's R3T2FPHM3 standard rectifier and transient voltage suppressor

[For more details...](#)

Automotive-Grade, Hall ICs Feature 42-V Withstand Voltage, ROHM's BD5310xG-CZ/BD5410xG-CZ series Hall ICs

[For more details...](#)

65-GHz 12-bit Oscilloscope Platform Features Serial Data Analysis Software, Teledyne LeCroy's WaveMaster 8000HD high-definition oscilloscope (HDO) platform

[For more details...](#)

October 2023:

Robust Integrated GaN Platform Is Optimized For High-Power Applications, Navitas Semiconductor's GaNSafe Power ICs

[For more details...](#)

Power Supply Design Tool Adds Schematic Export, Shortens Time To PCB Layout, Power Integrations' PI Expert design tool

[For more details...](#)

Power Products Article Archive

Articles published in the January through December 2023 issues

Configurable Power Supply Series Adds Liquid Cooling Option, Advanced Energy's iHP Liquid configurable power solutions

[For more details...](#)

EMCA Controller With EPR Protects Up To 54 V For Passive USB-C Cables, Infineon Technologies' EZ-PD CMG2 USB-C electronically marked cable assembly (EMCA) controller

[For more details...](#)

Planar Schottkys Come In Thinner DPAKs, Taiwan Semiconductor's ThinDPAK family of ultra-fast-recovery Schottky rectifiers

[For more details...](#)

Demo Boards For High Efficiency AC-DC Power Supply Technology, From Saelig comes Pulsiv's PSV-AD-250-DS evaluation boards for the OSMIUM microcontroller family

[For more details...](#)

November 2023:

Semiconductor Technology Pushes Silicon Beyond Its Assumed Limits For Power Devices, iDEAL Semiconductor's SuperQ technology

[For more details...](#)

Switcher ICs Feature 1250-V GaN Switch, Power Integrations' InnoSwitch3-EP 1250-V ICs

[For more details...](#)

GaN-Based Reference Design Shrinks Motor Drives For eBikes, Robots And Drones, EPC's EPC9194 motor drive inverter reference design

[For more details...](#)

16-bit MCU Delivers High Performance For Motor And Power Supply Control, Renesas Electronics' RL78/G24 MCU

[For more details...](#)

Online Course Covers Basic To Advanced Aspects Of PFC, Siri Subrahmanyam has announced Udemy's course on "Power Electronics Design Series: Power Factor Correction"

[For more details...](#)

ESD Clamping Devices Offer ± 30 kV Protection For Wearables, Taiwan Semiconductor's TESD series of single-channel ESD clamping diodes

[For more details...](#)

Power Products Article Archive

Articles published in the January through December 2023 issues

December 2023:

Power Magnetics Component Roundup

Power Inductors

- *Semi-Shielded Inductors Offer High-Temperature Operation And Cost Savings, Bourns' Model SRN8040HA series AEC-Q200-compliant inductors*
- *Shielded Inductors Specify High Saturation Currents, Würth Elektronik's WE-HEPC inductor series NiZn-ferrite-based self-shielded inductors*
- *Toroidal PFC Inductors Use Flat-Wire Windings For Lower Losses, Würth Elektronik's WE-TORPFC inductor series has added 17 parts*
- *Semi-Shielded Power Inductors Have Enhanced Mechanical Strength, Bourns' automotive-grade inductor models SRN2010BTA, SRN2510BTA, SRN3010BTA, SRN3012BTA and SRN3015BTA*
- *Automotive-Grade Two-In-One Inductor For Class D Amplifier, Sumida's D2EP21D15 pin-type two-in-one inductor*
- *Shielded Metal Inductors Offer Wide Inductance Range, Sumida's CDSM70D52/T150 and CDSM12D63/T150 magnetically shielded inductors*
- *Coupled Inductors Enable High Efficiency, TDK's B82559S EPCOS ERUC23 flat-wire coupled inductor series*
- *Metal Compound Molding Inductors Deliver Low DCR In Low Profile, Sumida's CDMT series molding type inductors*
- *Shielded High-Power Inductor Has Pin-Type Structure, Sumida's DPQ5050/T150 flat-wire-wound, ferrite-core-based inductor*
- *Inductors Stand Just 0.55-mm Tall, TDK's PLEA85 series high-efficiency inductors for battery-powered wearables*
- *Composite-Core Inductors Come in Additional Case Sizes, Pulse's PA/PM2241 and PA/PM2242/43/44 series inductors in 8080 and 10xx case sizes*
- *Shielded Ferrite Inductors Offer Wide Inductance Range, Sumida's CDRH5D28RB/T125 1- to 330- μ H inductors*

Power Products Article Archive

Articles published in the January through December 2023 issues

Transformers

- *2-W LLC Transformer For SiC And GaN Drive Applications, Pulse's PMT6709NL LLC transformer*
- *Automotive-Grade Drive Transformer For IGBT-Based Inverters, Pulse's PMG3045NL forward gate-drive transformer*
- *Miniature, Automotive-Grade Push-Pull Transformer Offers Reinforced Insulation, Pulse's PMT9085 transformer series with innovative core and bobbin assembly*
- *Transformers Lower Interwinding Capacitance For Driving SiC MOSFETs, Würth Elektronik's WE-AGDT auxiliary gate-drive transformer series*
- *Three-Phase Isolation Transformers For Industrial And Medical Applications, Bel Fuse's 3PH series of three-phase dry type transformers*

Chokes And Filters

- *Unshielded Radial Drum Chokes Feature High Impedance And Inductance, Signal Transformer's DRC line of unshielded radial drum chokes including the 0406, 0608/0707/0807, 0810/1010, and 1018/1213 series*
- *Inductors And All-Mode Filters Now Operate Up To 5 GHz, SMP's inductive components and filter systems*
- *CM Chokes Mitigate EMI In Robotics And Motor Drives, Schaffner's RT common-mode choke series*
- *Multilayer Metal Power Inductors Shrink Size For Smart Phone Power Supplies, Taiyo Yuden's LSCND1412HKTR24ME, LSCND1412HKTR33MF and LSCND2012HKTR24MF inductors for choke coil applications in power supplies*
- *Sample Kit For Compact High-Current Chokes, TDK's sample kit for the B82559A*A033 series of shielded EPCOS ERU 33 high-current chokes*

Current Sensors

- *Rogowski Coils Bring Benefits Of Non-Ferromagnetic Core To Smart Metering, Pulse's RC series Rogowski coils*

[For more details...](#)

Power Products Article Archive

Articles published in the January through December 2023 issues

Transient Load Steppers Deliver Fast Edge Rates And Are Highly Customizable, Picotest's high-speed transient load current steppers

[For more details...](#)

62-mm Package For SiC MOSFETs Enables Higher Efficiency And Power Density, Infineon Technologies' CoolSiC MOSFET modules

[For more details...](#)

650-V GaN Power Switch Integrates Lossless Current Sensing, GaNPower International's GPI65060DFC power switch

[For more details...](#)

Flyback Architecture Delivers High Efficiency For Applications Below 120 W, Eggtronic's QuarEgg primary-side regulated flyback solution

[For more details...](#)

Full-Bridge Drivers For Brushed DC Motors Are Scalable And Flexible, STMicroelectronics' STSPIN948 and STSPIN958 are scaleable full-bridge drivers

[For more details...](#)

1200-V SOT-227 SiC MOSFET Modules Are Designed For High Reliability, SemiQ's QSiC silicon carbide modules

[For more details...](#)