



Power Products Article Archive

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Power MOSFETs Feature Ultra-Low On-State Resistance, *International Rectifier's StrongIRFET family of 40-V HEXFET MOSFETs*

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High-Efficiency Stepper Motor Driver IC Targets Office Automation Equipment, *ON Semiconductor's LV8702V stepper-motor-driver IC*

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Low-Power Buck Converter Aims To Accelerate Energy Harvesting Designs, *Texas Instruments' TPS62736 Nano-power Buck Converter*

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Single-Stage LED Driver Cuts BOM Cost in Price-Sensitive Retrofit Bulbs, *iWatt's iW3626 single-stage LED driver*

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Robust Angular Position Sensor Finds Use In Transmission Control Unit, *Austriamicrosystems' AS5134 angular position sensor*

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Hybrid Power Controller Chip Delivers Benefits of Analog + Digital Control, *Microchip Technology's MCP19111 digitally enhanced power analog controller with integrated synchronous driver*

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Gate Drivers Are Optimized For IGBTs And SiC FETs, Texas Instruments' UCC27531 and UCC27532 single-channel output stage gate drivers

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Universal Lighting Controller Promises To Enhance Many Applications, STMicroelectronics' STLUX385 digital controller for lighting and power supply applications

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Upgraded Design Tool, New Firmware Enhance Capabilities Of Digital Controller, Powervation's PowerSMART design tool and firmware for the PV3012

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Synchronous Rectifier Controller With Sync Function Simplifies SMPS Designs, International Rectifier's IR1169 high-speed synchronous rectifier controller

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NiMH Battery Charger Is Rugged And Portable, Absopulse Electronics' BCP 130-PEL NiMH battery charger

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User-Defined Power Modules Take Configurability To A New Level, Vicor's User-Defined, VI Chip PRM Modules

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Multi-Phase Power Analyzer Delivers Accuracy And Many Standard Features, Tektronix's PA4000 power analyzer

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Smart Bypass Diode Lowers Power Dissipation, Texas Instruments' SM74611 smart bypass diode

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Buck Converter Delivers 25 A From A 5-mm x 6-mm PQFN, International Rectifier's IR3847 Gen3 SupIRBuck voltage regulator

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Development Board Facilitates Design of High-Frequency Converters Using GaN Transistors, Efficient Power Conversion's EPC9010 development board, for evaluation of EPC's 100-V eGaN FETs

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Single-Stage LED Drivers Deliver High Dimmer Compatibility At Competitive BOM Cost, Cirrus Logic's CS1615/16 single-stage LED driver ICs
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Gate Firing Board Simultaneously Controls Multiple Large SCRs, Applied Power Systems' BAP3012 12-pulse gate firing board
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SiC-Based PV Inverters Display Reduced Size, Weight And Cost, Delta Energy Systems' SOLIVIA 11 TR SiC-based PV inverter featuring Cree's 1200-V, 160-m Ω silicon carbide (SiC) MOSFETs
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Fast-Switching Solid-State Relays Consume Ultra-Low Power, Electronic Design & Research's μ R2M and μ D2M series solid-state relays
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Precision N-Channel MOSFET Arrays Feature Zero Threshold Voltage, Advanced Linear Devices' ALD210800A/ALD210800 n-channel MOSFET arrays
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Intelligent Power Modules Reinforce Automotive Safety, Mitsubishi Electric's PM800CJG060G and PM500CJG120G J-series automotive IPMs
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PMIC Reduces Thermal Stress On Application Processors In Mobil Devices, ams' AS3721 PMIC and AS3729 point-of-load power stage
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Single-Stage LED Drivers Enable Wide Bulb Dimming Range With Lower BOM Cost, iWatt's iW3606 and iW3608 dimmable single-stage, LED drivers
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Low-Cost Gate Drivers Handle Wide Operating Voltage Range, IXYS
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Wide-Input Linear Regulator Works At Very High Temperatures, CISSOID's
CHT-RIGEL adjustable linear regulator

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Class D Amplifier Improves Efficiency For Driving Brush-Type Motors, Apex
Microtechnology's SA160DP H-Bridge motor driver/amplifier

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DC-DC Converters Meet MIL-HDBK-1547 And Aerospace TOR Requirements,
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Oscilloscope Probes Measure Current or High-Voltage Signals, Rigol
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Controller In SOT-23 Shrinks Boost PFC Circuits, International Rectifier's
IRS2505L PFC boost IC

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GTO Thyristor Handles 500 A In Smaller Package, IXYS UK Westcode's
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Versatile LED Driver Features Adjustable Frequency And Low-Side Current
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Trench Technology Boosts Efficiency, New Package Saves Space For Rad-Hard MOSFETs,
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Digital PWM Controller Cuts BOM Cost, Standby Power In Smartphones,
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Enhancement-Mode GaN FET Delivers Extremely Low On-Resistance,
Efficient Power Conversion's EPC2018 eGaN FET

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Envelope Tracking Power Chips Boost Efficiency In Smartphones,
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Buck Controller Features Inductor DCR-Based Overcurrent Protection,
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- *Baseplate-Cooled 50-W Quarter Bricks Suit Rolling Stock And Trackside Equipment, TDK-Lambda's CN50A24 series dc-dc converters*
- *75-W Converter Targets Mission Critical Railway Applications, Schaefer's MTQZ75 series by Minmax dc-dc converter*
- *80-W Converters Accommodate A Wide Range of Battery Voltages, MTM Power's PCMDS80 dc-dc converters*
- *120-W Corona-Free Converter Features 20-kV Isolation, Absopulse Electronics' DIO 120 series dc-dc converters*
- *DC Power System Solution Targets Positive Train Control Applications, Eltek's Micropack Modular Power System*
- *100-W To 140-W Converters Generate Tightly Regulated Outputs, Schaefer's PRC-120 series dc-dc converters*
- *19-in. 150-W Plug-In Converter Steps Down 110-V Battery Supply To 24 V, MTM Power's PCMDS19 150*
- *200-W Converters Mount To Curved, Uneven And Non-Conductive Surfaces, Absopulse Electronics' BAP 236RTH series dc-dc converters*
- *300-W Converters Feature Wide Input Voltage Range And Network Rail Certification, Relec Electronics' HR series dc-dc converters*
- *Low-Voltage Power Supply And Battery Charger Delivers 12 kW, Applied Power Systems' APS AP-6612 low-voltage power supply and battery charger (LVPS/BC)*
- *Liquid-Cooled Converters Deliver 20 kW, Schaefer's CW/BW 5600 series dc-dc converters*

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HV Amplifier IC Slashes Noise For Improved Accuracy In Positioning Systems, Apex Microtechnology's PA44X 350-V amplifier ICs

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Power Measurement And Analysis Software Adds New Capabilities For Oscilloscopes, Tektronix's DPOPWR Power Measurement and Analysis software

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PFC Controller Extends Range On Switching Frequency, Lowers Losses In Shunt Resistor, Texas Instruments' UCC28180 CCM PFC controller

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