

Power Products Article Archive

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Ultracapacitors Deliver High Capacitance in Small Size, *Ioxus' ultracaps and pseudo-capacitors*

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Thick-Film Chip Resistors Operate to 200°C, *IRC's HTC series thick-film resistors*

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Round-Wire Inductors Outperform Flat-Coil Inductors, *Pulse's PG0871NL and PG0702NL round-wire coil surface-mount power inductors*

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High-Current Film Caps Filter DC Up To 1400 Vdc, *Cornell Dubilier's 944U high-current film capacitors*

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Cooling Fans Generate Extreme Air Pressure, *Jaro Thermal's Revolution series fans, 140-mm x 140-mm x 51-mm and 120-mm x 120-mm x 38-mm models*

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MOSFETs Minimize Gate Charge For Industrial Applications, *IR's 150-V and 200-V HEXFET power MOSFETs, models include IRFB4615PBF and IRFB4620PBF*

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1-A, 200-V Ultrafast Rectifier Comes in MicroSMP, *Vishay's MUH1Px surface-mount 1-A ultrafast rectifiers*

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Intelligent Power Module Sets New Mark for Power Delivery, Powerex's DIP-IPM family including models PS21A7A ,PS21A79, and PS22A72 to PS22A78-E

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A Slew of Improved Specs for Piezoelectric Drivers, Cirrus Logic's PA107DP and MP103FCFC hybrid power amps

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A User-Configurable Planar Transformer, Vishay Sfernice's PLAC 100 user-configurable planar transformer

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A Smaller Dc-Dc Converter For Military or Commercial Vehicles, Vicor's 28-V Micro DC-DC Converters, 8 models from 3.3-V to 48-V output

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Topology Takes Charge Pump To Kilowatt Levels, Electronic Design & Research's 4-kW dc-dc converter

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Vertical Mount: Not a Tall Order for Planar Magnetics, Payton America vertical-mount planar magnetic components

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600-V Silicon Rectifiers Approach SiC Performance, QSpeed's H-series 600-V silicon rectifiers including models QH03TZ600, QH05TZ600, QH08TZ600, and QH12TZ600

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Dual SiC MOSFET Modules Promise High Efficiency, Powerex's QJD1210006 and QJD1210007 1200-V, 100-A MOSFET modules

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20-A LED Driver Addresses Color-Mixing Challenges, Linear Technology's LT3743 synchronous stepdown converter

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Automotive-Qualified IGBT Improves Thermal Performance, International Rectifier's AU1RG7CH80K6B-M is a 1200-V IGBT

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Power Devices Perform At Extreme Temperatures, Cissoid's high-temperature MAGMA PWM controller, CHT-NMOS40xx 40-V MOSFETs, and VESUVIO dc-dc converter reference design

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Controller Eases Compliance With Power Supply Efficiency Standards, International Rectifier's IR11672A synchronous rectification controller

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Feedthru Connector Works Up To 230°C, ITT Interconnect Solutions's BIW feedthru connector system

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