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Smart Power Ics Technologies And

Smart power ICS isn't a conventional DC/DC-converter control cook book. Instead it covers wide range problems/design issues that need to be considered when designing switching converter ICS.

Smart Power ICS: Technologies and Applications (Springer ...

This book provides a survey of the state of the art of technology and future trends in the new family of Smart Power ICS and describes design and applications in a variety of fields ranging from automotive to telecommunications, reliability evaluation and qualification procedures.

Smart Power ICS - Technologies and Applications | Bruno ...

Smart Power ICS: Technologies and Applications Volume 6 of Advanced microelectronics Engineering online library Volume 6 of Springer Series in Advanced Microelectronics, ISSN 1437-0387: Authors:...

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Smart Power ICS Technologies and Applications - Smart ...

Modern smart power technologies on silicon enable innovative solutions, which substitute conventional elements as fuses, relays and switches. But furthermore they open up completely new opportunities by system integration. A more complex functionality of the single IC can be combined with higher reliability and less volume and weight.

Integrated Smart Power Circuits Technology, Design and ...

Technologies for High Voltage ICS Satyen Mukherjee Philips USA 53 CHAPTER 3 Smart Discrete Technologies Jeno Tihanyi Siemens 79 CHAPTER 4 Dielectric Isolation Technologies and Power ICS Yoshitaka Sugawara Hitachi Lab., presently Kansay Electric Power Company 105 CHAPTER 5 Power Mosfets Driving Circuits and Protection Techniques Domenico Rossi

B. Murari • R Bertotti • G.A.Vignola (Eds.) Smart Power ICS

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Smart power technology enables single chip integration of the power conversion stages, security features (temperature or overload control), remote control and other analog and digital functions. Benefits include size reduction, better efficiency and lower cost. SOITEC SOI FOR SMART POWER Wafer products for manufacturing smart power ICS

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Smart Power Devices and ICS Using GaAs and Wide and ...

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Power - Infineon Technologies

F. Lo Conte, J.-M. Sallèse, M. Kayal, Smart power IC simulation of substrate coupled current due to majority and minority carriers transports, in IEEE International Conference on IC Design and Technology (ICICDT), June 2010, pp. 168-171 Google Scholar

Overview of Parasitic Substrate Coupling | SpringerLink

Integrated circuit (IC) is the most significant technological development of the 21st century if I may say. It has forever transformed the world of electronics. It has reduced the size of electronics from a refrigerator size to palm size electronics or even less.