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Switching Power Supply Design Optimization - AbeBooks

Switching power supply design and optimization Author(S) Sanjaya Maniktala (Author) Publication Data New York: McGraw-Hill Publication€ Date 2005 Edition NA Physical Description xvii, 395 p. Subject Engineering Subject Headings Switching power supplies Electronic apparatus and appliances Power supply Electric current converters

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Unlike a linear power supply, the pass transistor of a switching-mode supply continually switches between low- dissipation, full-on and full-off states, and spends very little time in the high dissipation transitions, which minimizes wasted energy. A hypothetical ideal switched-mode power supply dissipates no power.

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Book Review: Switching Power Supply, Design and Optimization

Power Supply Design Book Should Benefit Seasoned Engineers As Well As Beginners . Switching Power Supply Design & Optimization, Second Edition, Sanjaya Maniktala, McGraw Hill Education, 2014, 551 pages, hardback, \$125, ISBN 978-0-07-179814-3. Reviewed by Dennis Feucht, Innovatia Laboratories, Cayo, Belize

Switching Power Supply Design And Optimization, Second ...

In most cases, the optimum for any converter is characterized by about $r = 0.4$, and based on the switching frequency, that then determines L . In other words, L gets fixed anyway as a design entry point in almost all cases. Once DCM is entered, the behavior of the converter changes a great deal, and we may need to treat it very differently.

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