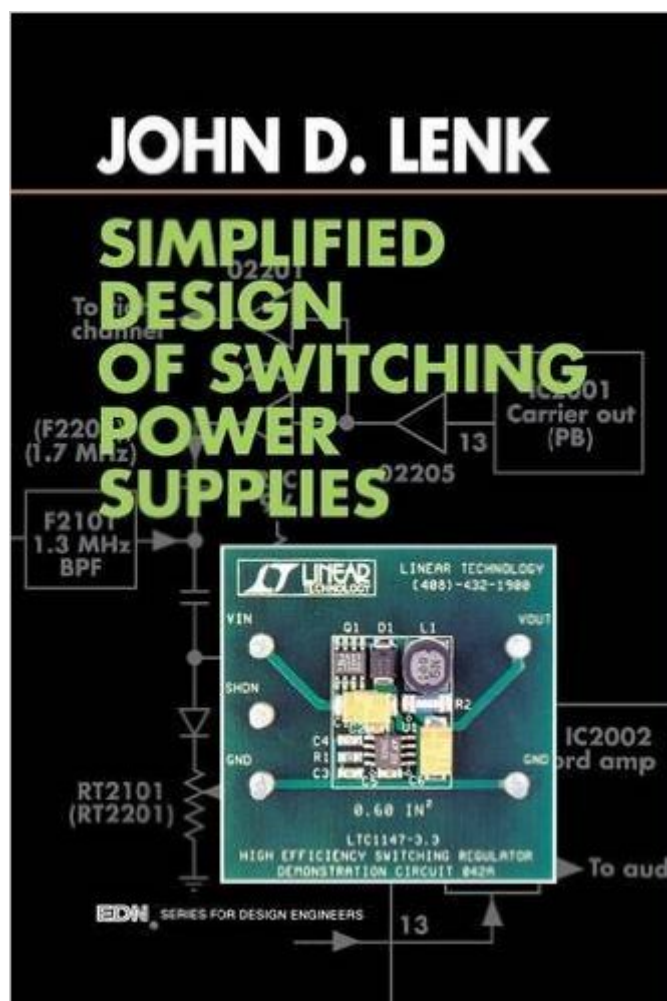


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# Simplified Design Of Switching Power Supplies (EDN Series For Design Engineers)



## Synopsis

Simplified Design of Switching Power Supplies is an all-inclusive, one-stop guide to switching power-supply design. Step-by-step instructions and diagrams render this book essential for the student and the experimenter, as well as the design professional. Simplified Design of Switching Power Supplies concentrates on the use of IC regulators. All popular forms of switching supplies, including DC-DC converters, inverters, buck, boost, buck-boost, pulse frequency modulation, pulse width modulation, current-mode control and pulse skipping, are described in detail. The design examples may be put to immediate use or may be modified to meet a specific design goal. As an instructional text for those unfamiliar with switching supplies, or as a reference for those in need of a refresher, this unique book is essential for those involved in switching power-supply design.

Describes the operation of each circuit in detail. Examines a wide selection of external components that modify the IC package characteristics. Provides hands-on, essential information for designing a switching power supply.

## Book Information

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Average Customer Review: 2.0 out of 5 stars [See all reviews](#) (7 customer reviews)

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## Customer Reviews

This book claims on the back cover that: "This unique book describes the operation of each circuit in detail, requiring no previous design experience to use the techniques." I was surprised at the technical errors contained in this book. If you do have previous design experience you will be

surprised to see the very obvious errors in equations and schematic diagrams. The best sections of this book are the application note snippets from several manufacturers. I would suggest that the reader would be better served and educated by reading the manufacturers application notes and data sheets that are far better in terms of correctness and more up to date on current technology and will give you the full in-context application notes found in this book. Raul Garica-Rivera Principal Engineer

I have many books on this subject. This is by far the worst. It is more like a compilation of manufacturer's application notes for their ICs than a text book. He doesn't even cover off-line switchers!

I have many books on this subject. This is by far the worst. It is more like a compilation of manufacturer's application notes for their ICs than a text book. He doesn't even cover off-line switchers!

I bought this book to learn about switching power supplies. The types are not discussed. The formulas given to calculate inductor values generate results that contradict each other and don't make sense. Reads like a poorly written application note.

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