

Switching-Mode Power Supply Design

Power supply circuit design problems, solutions, tutorials, tips, and resources.
A website about power supply design for power supply designers.

[Web Log](#)

| [Home](#) | [Map](#) |

Contents

[Problem Menu](#)
[Tutorial Menu](#)
[Web Log](#)

Resources

[Books](#)
[Websites](#)
[Vendors](#)
[Seminars](#)
[Papers](#)
[Design Aids](#)

Other

[Site Map](#)
[About Us](#)
[What Other's Say](#)
[Accessibility](#)
[Search](#)
[Subscribe](#)
[What's New](#)
[Sponsor FAQ](#)

This site is dedicated to switching-mode power supply circuit designers. Here you will find **solutions to the most difficult problems** facing you as a power supply designer, a **tutorial** that places power supply design problems in context, and **resources** that aid in your power supply design tasks. If you are a first-time visitor you will want to read this page as an orientation. If you have been here before, use the menu on the left to find the power supply design information you need. Our **sponsors** on the right, who have much to offer the power supply designer, make this website possible - please take a look at their offerings.

Power supply design problems and solutions are discussed in a unique problem-solving format, where each **problem** is identified and discussed, then a test is provided to determine the **relevance** to your design followed by a general discussion of its **solvability**. Finally, pointers are provided to where you can find a **solution**. These pointers are usually in the form of applicable key papers, application notes, and websites. The [problem menu](#) gets you to this, the heart of the website. The emphasis is on the design of switching-mode power supplies, also called switching power supplies or switching regulators, however, much is of interest to those in any power electronics design discipline.

A design tutorial ties the problems together and serves as an [introduction to switching-mode power supply design](#).

For years we have been providing answers to power supply design questions. These are now being answered in our [web log](#).

Resources useful to the power supply circuit designer form an integral part of the website. The [resource menu](#) gets you to these resources which include lists of [books](#), [websites](#), [vendors](#), [seminars](#), [full-text papers](#), and [design aids](#) related to switching-mode power supply design.

A personal anecdote is included in each problem discussion to personalize the information. There is also information [about](#)

Sponsors

[INTUSOFT](#)
Free SPICE Demo
Free Book
[RIDLEY](#)
[ENGINEERING](#)
Jan 2003 Workshop
Free Demo
Online Magazine

[Advanced Search](#)

[SMPS Technology](#), the [origins](#) of the website, and its author/editor, [Jerrold Foutz](#).

Transactional Analysis theory provides the [unique problem solving approach](#) used throughout the website.

Accessibility to all has been a major consideration in developing this website. While of maximum utility to the visually impaired and those that pay by the minute for Internet access, it is of benefit to everyone, including those using automobile personal computers, as explained in our page on [accessibility](#).

A source of inspiration for us to keep working on the website has been [what others say](#) about our website.

A powerful search engine capability has been added to the website that allows you to [search](#) for the topics of most interest to you.

Subscribe to our switching-mode power supply design update mailing list. The mailing list is never used for any purpose other than to keep you updated when new material is added to the website. It is never made available to others. To subscribe or read the list go to <http://www.topica.com/lists/smps>

Email Policy. Through August, 2001, I had a policy of answering all email. Due to work load I have had to change that policy. I now read all email but until further notice can not answer most of it, including all design questions asking for help. I regret the change in policy and perhaps it may change back to answering all email again in the future. But for now, if you have not got an answer, you probably will not get one.

| [Top](#) | [Home](#) | [Map](#) |

[Legal Statement](#)

Do not use this information for design without independent verification of the information.

Webmaster and editor: Jerrold Foutz, webmaster@smpstech.com

Original: 14 November 1995, revised May 17, 2003

Copyright © 1995 - 2003 Jerrold Foutz
All Rights Reserved