

EDN on Power Technology is available [here](#)



INFORMATION YOU NEED ABOUT eOEM POWER TECHNOLOGY

POWER TECHNOLOGY

MORE AT EDN.COM: [POWER DESIGN IDEAS](#) | [NEW PRODUCTS](#) | [EVENTS](#) | [EDN's RSS FEEDS](#)

October 10, 2006

Load-transient-response testing for voltage regulators

Variations occur in voltage regulators' transient loads; thus, the devices require careful evaluation and testing.

Medical devices demand stringent isolation techniques



Safety regulations for medical devices mandate isolated power supplies and I/O lines. The goal of these regulations is simple: Don't electrocute the patient. You can use a variety of techniques, including transformers, optoisolators, and advanced isolation ICs.

ADVERTISEMENT

New RoHS Compliant JBW Power Supplies from Kepco

Kepco's new models of Series JBW are low cost, PC card, single output power supplies offering OEMs 75, 100 and 150 watts of d-c power. Featuring wide range input (85-265V a-c), active PFC, carry the CE Mark and all safety agency approvals. They have on-board filtering to FCC Class B conducted emissions. [Click here.](#)



Scroll down for Dillbert

Ultra-thin heat spreader relies on fluid core to cool processors and displays

Power-hungry components such as graphics processors and LED displays currently may rely on a combination of heat spreaders, pipes, and fans to wick heat away. However, fans introduce reliability concerns and pipes are bulky and large, and any technology that minimizes their use is a good thing.

Fujitsu next to recall Sony batteries

Fujitsu will recall a total of 287,000 Sony battery packs worldwide due to an overheating threat.

Changing the PWM signal to dc

You can generate a variable dc reference voltage with a DAC or with a PWM (pulse-width-modulation) signal from your controller. The accuracy of the voltage source that the PWM/lowpass-analog-filter combination generates is as accurate as your onboard timer, filter operational amplifier, and power-supply voltage.

Carbon nanotubes to be used in light bulbs

Applied Nanotech enters into a license agreement with Shimane Masuda Electronics to manufacture the first light bulbs based on

ADVERTISEMENT

Free Power Web Casts on PowerPulse.Net

You can view Free web casts on a variety of important subjects including: Digital Power Electronics, Low Level AC Measurement Techniques, Power Factor Correction, AC-DC Power, External Power Supplies, Power Electronics for Distributed Generation, and more. PowerPulse.Net has Free Web Casts for You. [Click here.](#)

SPONSORED

EDN's Marketplace

[Intel Communications Alliance](#)

Connect with world class community of communications and embedded developers. Quickly locate products and solutions that can help speed development cy...

[Flowcharts from C/C++ code — Free trial download](#)

Understand C/C++ code in less time. A new team member? Inherited legacy code? Get up to speed faster with Crystal Flow for C/C++. Code-formatting im...

[Save On Electronic Components + Semiconductors](#)

Wide range of electronic components, semiconductors, microcontrollers, development boards and heaps more. All at very competitive prices

[Tektronix DesignInsight Serial Data & RF Seminars](#)

Join Tektronix for a FREE, 8-city seminar series focused on solutions for —high-speed serial data testing and troubleshooting

carbon nanotubes.

Milestones That Mattered: MOSFETs drove switching-power-supply trend

Higher frequencies enabled smaller magnetics but yielded a tougher design challenge.

Magma donates low-power technology to Accellera

In a move that echoes one made by Synopsys earlier this week, Magma Design Automation donates specifications for its low-power technology to Accellera's low-power standardization effort.

SPST pushbutton switch combines power-control, user-input functions

One control serves multiple functions.

Electronic circuit replaces mechanical push-push switch

Toggle-action circuit uses a low-cost momentary-contact switch.

digital RF designs.—Se...

[Astec Power - World Leader in AC-DC and DC-DC Power](#)

Download free catalogs and use Astec's Power Wizard to locate the power solution you need. Standard and custom embedded, bulk front end and board moun...

[Buy a Link Now](#)

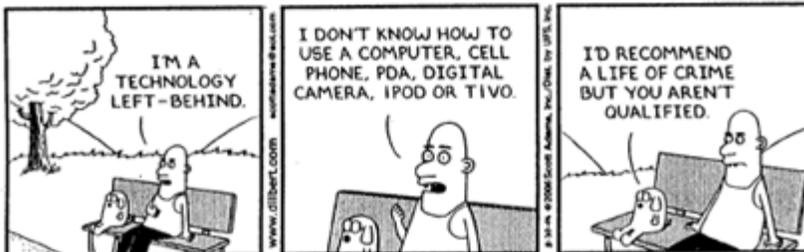
ADVERTISEMENT

Celebrate our 50th Anniversary

EDN's 50th Anniversary Issue Debuted September 28th.
EDN continues to grow with the industry. [Click here.](#)

Dilbert

By Scott Adams



FINE PRINT

You are receiving this email because you have requested either a newsletter or a magazine from Reed Business Information.

You are currently registered to receive *EDN on Power Technology* at: saulk@kepcopower.com

SUBSCRIBE

[Click here](#) to activate a new FREE email subscription to *EDN on Power Technology*

UNSUBSCRIBE

[Click here](#) to unsubscribe instantly

YOUR PROFILE

[Click here](#) to change your email address/profile

FREE PRINT SUBSCRIPTION

[Click here](#) to request your FREE print subscription to *EDN*

QUESTIONS

If you have questions or need further assistance, please contact our [Customer support staff](#)
Reed Business Information
225 Wyman St, Waltham, MA 02451

PRIVACY POLICY

[Click here](#) to view our privacy policy.

PRIVACY MANAGER

Reed Business Information
2000 Clearwater Drive, Oak Brook, IL 60523
Fax: 630-288-8394

EDITOR

[Melissa Annand](#)
Newsletter/Editorial Coordinator

Copyright 2006 Reed Business Information, a division of Reed Elsevier Inc.