

In this article, a novel tunable green power module for operating portable electronics is presented. The unique design of the power module allows for low-frequency specialization, i.e., less ...

Learn more about different technologies and the associated design challenges to achieve complex power module requirements.

In this spotlight article, we discuss not only the attributes of efficient power supplies, but also the types, design considerations, and some examples of how efficient power extends battery life ...

Any module must be rigorously tested at an early stage to ensure that the design is sound and reliable, so that unexpected problems do not occur at the final stage of the production ...

Discover advanced strategies in power electronics design for portable devices in electrical equipment manufacturing.

Following Moore's Law, design innovations for portable electronics have seen exponential growth for the highly integrated applications processor cores in the latest PDAs, smartphones, and cellphones.

The methodology focuses on optimizing the design of VLSI circuits for portable devices by employing power reduction techniques at multiple levels: transistor, logic, and system level.

Abstract-- This paper introduces a 2-stage power management architecture for battery powered portable applications. The presented topology combines a fixed ratio multi-output switched capacitor ...

This application note contains all of the information needed to design a synchronous buck converter using the MCP1612, including an implemented design example with measured power conversion ...

In this article, we will explore the design principles, specifications, and applications of the power module, and conclude with our top power module recommendation from FSP.

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