



Universal AC-DC Buck converter using UCC28710

(ACTIVE) PMP9530



Description & Features



Technical Documents



Support & Community



Order Now

View the [Important Notice for TI Designs](#) covering authorized use, intellectual property matters and disclaimers.

Description

The PMP9530 reference design uses a buck converter to convert universal AC input voltage (85Vac to 265Vac) to a 18V/300mA DC output with UCC28710 controller. High efficiency and circuit simplicity is achieved with quasi-resonant valley-switching operation and a Buck topology.



Fully assembled board (shown above) developed for testing and performance validation only, not available for sale.

Bill of Materials (BOM)

Find the complete list of components in this reference design.



Download BOM

TI Devices (1)

Order samples, get tools and find more information on the TI products in this reference design.

Part Number	Name	Product Family	Sample & Buy	Design Kits & Evaluation Modules
UCC28710	Constant-Voltage, Constant-Current PWM Controller with Primary-Side Regulation	AC/DC and Isolated DC/DC Power Supply	Sample & Buy	View Design Kits & Evaluation Modules

Technical Documents

User Guides (1)

Title	Abstract	Type	Size (KB)	Date	Views
PMP9530 Test Results		PDF	838	27 Feb 2014	141

Design Files (2)

Title	Abstract	Type	Size (KB)	Date	Views
PMP9530 Schematic		PDF	77	27 Feb 2014	167
PMP9530 BOM		PDF	98	27 Feb 2014	146

Support & Community

TI E2E™ community

As a member of [my.TI](#) you can join the [TI E2E™ Community](#) where you can ask questions, share ideas and collaborate with fellow engineers and TI experts

Contents are provided "AS IS" by the respective TI and Community contributors and do not constitute TI specifications. See [Terms of use](#).

Engage in the Community

- [Amplifiers](#)
- [Broadband RF/IF & Digital Radio](#)
- [Clocks & Timers](#)

- [Data Converters](#)
- [DLP® & MEMS](#)
- [Interface](#)

- [Logic](#)
- [Power Management](#)
- [Wireless Connectivity](#)

Wikis

[Visit the TI Wiki](#)

Other Support

- [TI E2E Community](#)
- [Contact Technical Support](#)

Your History

Products You Recently Viewed

There are no items in your history.



