200VAC-400VAC Input, 12V/6W Output Green-Mode Flyback

(ACTIVE) PMP5801

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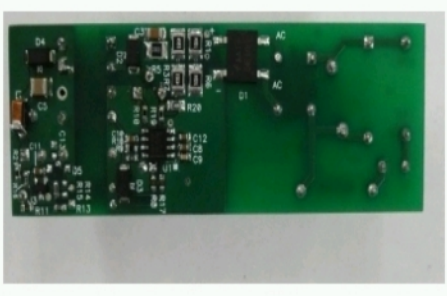

Description

The PMP5801 reference design uses the UCC28600 green-mode controller to generate a 12V/6W regulated output. The quasi-resonant switching of the UCC28600 allows this low-cost design to achieve a maximum load efficiency is over 78%.

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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

Parametrics

	PMP5801
Vin (Max) (V)	400
Vin (Min) (V)	200
Vout (Nom) (V)	12
Iout (Max) (A)	.5
Output Power	6
Isolated/Non-Isolated	Isolated
Input Type	AC
Topology	Flyback- Quasi Resonant Flyback- DCM

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
UCC28600	8-Pin Quasi Resonant Flyback Green Mode Controller	AC/DC and Isolated DC/DC Power Supply	Sample & Buy	View Design Kits & Evaluation Modules

CAD/CAE symbols

Part #	Package | Pins	CAD File (.bxl)	STEP Model (.stp)
UCC28600	SOIC (D) | 8	Download	Download

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Step 1: Download and install the Ultra Librarian software ZIP: 62MB

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Technical Documents

User Guides (1)

Title	Abstract	Type	Size (KB)	Date	Views
PMP5801 Test Results		PDF	1351	23 Sep 2011	16

Design Files (2)

Title	Abstract	Type	Size (KB)	Date	Views
PMP5801 BOM		PDF	30	23 Sep 2011	16
PMP5801 Schematic		PDF	65	23 Sep 2011	29

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