195VAC - 265VAC in, 4.5V@ 4.5A out

(ACTIVE) PMP5563

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Description

The "cascode" topology associated to a quasi-resonant isolated Flyback and synchronous rectification on output allow this converter to show small form factor and high performance. From high line input to 4.5V @ 4.5A.

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Bill of Materials (BOM)

Find the complete list of components in this reference design.

Download BOM

Parametrics

	PMP5563
Vin (Max) (V)	265
Vin (Min) (V)	195
Vout (Nom) (V)	4.5
Iout (Max) (A)	4.5
Output Power	20.25
Isolated/Non-Isolated	Isolated
Input Type	AC
Topology	Flyback- Quasi Resonant

TI Devices (2)

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Part Number	Name	Product Family	Sample & Buy	Design Kits & Evaluation Modules
TLV431	Low-Voltage Adjustable Precision Shunt Regulator	Voltage Reference	Sample & Buy	Not Available
UCC28610	12-65W Green-mode Flyback Power Supply 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)
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UCC28610	SOIC (D) | 8	Download	Download
	PDIP (P) | 8	Download	Download

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

Step 2: Download the Symbol and Footprint .bxl file.

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Technical Documents

User Guides (1)

Title	Abstract	Type	Size (KB)	Date	Views
PMP5563 Test Results		PDF	559	24 Oct 2011	23

Design Files (2)

Title	Abstract	Type	Size (KB)	Date	Views
PMP5563 BOM		PDF	30	24 Oct 2011	15
PMP5563 Schematic		PDF	77	24 Oct 2011	30

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