Flyback 12V@5A

(ACTIVE) PMP4705

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Description

The PMP4705 is a reference design for a 12V Bus Voltage. It can operate from a wide input voltage range (100VAC to 240VAC). It's a flyback topology with a pfc.

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Bill of Materials (BOM)

Find the complete list of components in this reference design.

Download BOM

Parametrics

	PMP4705
Vin (Max) (V)	240
Vin (Min) (V)	100
Vout (Nom) (V)	12
Iout (Max) (A)	5
Output Power	60
Isolated/Non-Isolated	Isolated
Input Type	AC
Topology	Flyback- PFC

TI Devices (2)

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
TL431	Adjustable Precision Shunt Regulator	Voltage Reference	Sample & Buy	Not Available
UCC28810	LED Lighting Power Controller	LED Driver	Sample & Buy	View Design Kits & Evaluation Modules

CAD/CAE symbols

Part #	Package | Pins	CAD File (.bxl)	STEP Model (.stp)
TL431	SOT (DBZ) | 3	Download	Download
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	SIP (PK) | 3	Download	-
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UCC28810	SOIC (D) | 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
PMP4705 Test Results		PDF	565	15 Aug 2011	30

Design Files (2)

Title	Abstract	Type	Size (KB)	Date	Views
PMP4705 BOM		PDF	33	01 Aug 2011	36
PMP4705 Schematic		PDF	50	01 Aug 2011	74

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