Quasi-Resonant Isolated Flyback 85-265VACin, 18V/830mA

(ACTIVE) PMP4717

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Description

This PMP4717 is a general pourpose quasi-resonant isolated flyback, starting from universal line and delivering 18V @ 830mA. Particular attention to light load efficiency resulted in 54mW losses at no load and 115Vac input.

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Bill of Materials (BOM)

Find the complete list of components in this reference design.

Download BOM

Parametrics

	PMP4717
Vin (Min) (V)	85
Vin (Max) (V)	265
Vout (Nom) (V)	18
Iout (Max) (A)	.83
Output Power	14.94
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
TL431A	Adjustable Precision Shunt Regulator	Voltage Reference	Sample & Buy	Not Available
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)
TL431A	SOT (DBZ) | 3	Download	Download
	TO-92 (LP) | 3	Download	Download
	SIP (PK) | 3	Download	-
	SOT (DBV) | 5	Download	Download
	SOT (DCK) | 6	Download	Download
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	PDIP (P) | 8	Download	Download
	SOP (PS) | 8	Download	-
	TSSOP (PW) | 8	Download	-
UCC28600	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
PMP4717 Test Results		PDF	290	24 Oct 2011	15

Design Files (2)

Title	Abstract	Type	Size (KB)	Date	Views
PMP4717 BOM		PDF	29	24 Oct 2011	16
PMP4717 Schematic		PDF	69	24 Oct 2011	19

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