Primary-Side Regulated Flyback with 184-265VAC Input, (12V @ 3W) Status: ACTIVE

PMP8764

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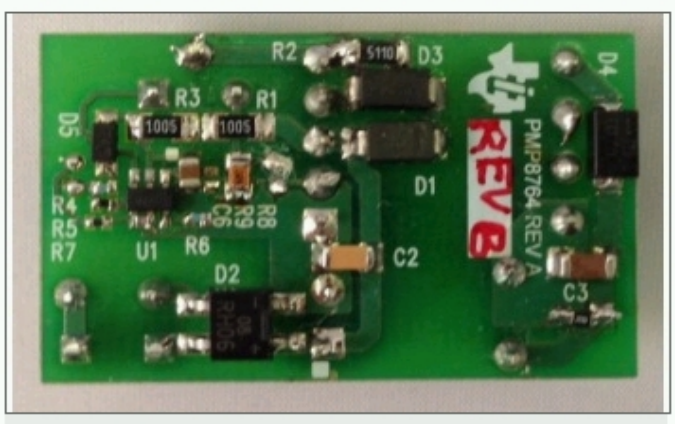
Description

The PMP8764 reference design uses the UCC28700 primary-side regulated flyback controller to generate a 12V/250mA output from a 230VAC input. The valley switching of the UCC28700 allows this low-cost design to achieve a maximum load efficiency over 78%; no load losses are only 30mW. This circuit fits onto a 23mm x 37mm PCB.



Bottom of Board

Technical Documents

User Guides (2)

Title	Abstract	Type	Size (KB)	Date	Views
PMP8764 PCB		PDF	124	08 Mar 2013	48
PMP8764 Test Report		PDF	1332	08 Mar 2013	35

More Literature (2)

Title	Abstract	Type	Size (KB)	Date	Views
PMP8764 BOM		PDF	15	08 Mar 2013	33
PMP8764 Schematic		PDF	37	08 Mar 2013	39

Related Products

Software (1)

PMP8764 Gerber
(ZIP, 226 KB) 29 views, 08 Mar 2013

TI Devices (1)

Part Number	Name	Product Family
UCC28700	Constant-Voltage, Constant-Current PWM With Primary-Side Regulation	AC/DC and Isolated DC/DC Power Supply

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Training & Events

Name	Type	Available During
In-depth PFC Design Workshop sponsored by Biricha Digital Power	In-Person	15 Mar 2014 - 22 Mar 2014
In-depth PFC Design Workshop	In-Person	12 Nov 2013 - 14 Nov 2013
Digital Power Multi-Day Workshop	In-Person	05 Nov 2013 - 07 Nov 2013
Power Fundamentals: Switching Power Supply Design Considerations - Managing Thermal Performance	Recorded Content	On Demand
Power Fundamentals: Switching Power Supply Design Considerations - Thermal Design Guidelines and Recommendations	Recorded Content	On Demand

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