

8W Isolated Flyback LED Driver with PFC for A19 using TPS92314

Status: ACTIVE

PMP8010

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Description

The main purpose of this reference design is to demonstrate a high performance and compact size offline flyback LED driver with PFC based on TPS92314. This LED driver is designed for converting an AC input to a regulated LED current. The operating conditions and performance of the reference design are as follows: •198VAC to 264VAC, 50Hz Input Voltage •18V to 22V LED Voltage •350mA Regulated LED Current •84% Typical System Efficiency •0.9 Typical Power Factor •Output Short-Circuit and Open-Circuit Protection



Technical Documents

User Guides (3)

Title	Abstract	Type	Size (KB)	Date	Views
PMP8010 PCB Bottom		PDF	51	27 Nov 2012	146
PMP8010 PCB Top		PDF	43	27 Nov 2012	147
PMP8010 Test Results		PDF	231	27 Nov 2012	167

More Literature (2)

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PMP8010 BOM		PDF	47	27 Nov 2012	88
PMP8010 Schematic		PDF	67	27 Nov 2012	158

Related Products

Software (1)

[PMP8010 Gerber](#)
(ZIP, 1401 KB) 90 views, 27 Nov 2012

TI Devices (1)

Part Number	Name	Product Family
TPS92314	Off-Line Primary Side Sensing Controller with PFC in 8-SOIC	Power Management

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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
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