15W Isolated Downlight / light bulb LED Driver (32V @ 0.4A) Status: ACTIVE

PMP8011

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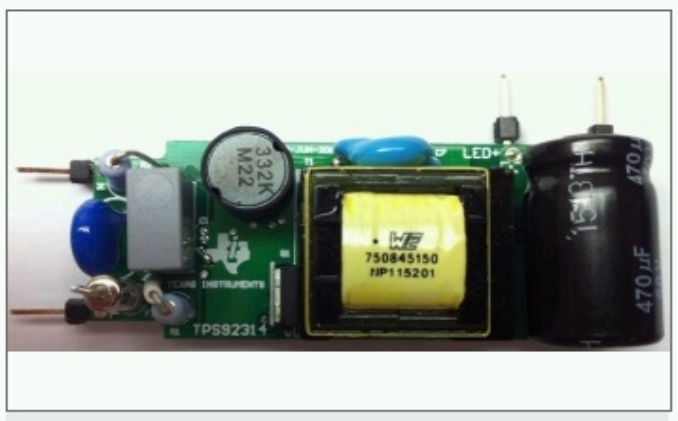
Description

The main purpose of this reference design is to demonstrate a high performance offline flyback LED driver with PFC based on TPS92314A (220VAC with PFC) . 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, 28V to 34V LED Voltage, 400mA Regulated LED Current , 87% Typical System Efficiency, High Power Factor > 0.9, Output Short-Circuit and Open-Circuit Protection.



Technical Documents

User Guides (1)

Title	Abstract	Type	Size (KB)	Date	Views
PMP8011 Test Results		PDF	174	11 Feb 2013	116

More Literature (2)

Title	Abstract	Type	Size (KB)	Date	Views
PMP8011 BOM		PDF	27	11 Feb 2013	63
PMP8011 Schematic		PDF	102	18 Jan 2013	100

Related Products

Software (1)

PMP8011 Gerber
(ZIP, 71 KB) 50 views, 11 Feb 2013

TI Devices (1)

Part Number	Name	Product Family
TPS92314A	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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