TPS92310 - 220VAC, 8W Isolated , Triac dimmable

Status: ACTIVE

PMP8012

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Description

The main purpose of this reference design is to demonstrate a high performance, compact size and triac Dimmable offline flyback LED driver with PFC based on TPS92310. 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 •Greater tha 75% Typical System Efficiency •0.9 Typical Power Factor •Output Short-Circuit and Open-Circuit Protection

Technical Documents

User Guides (2)

Title	Abstract	Type	Size (KB)	Date	Views
PMP8012 PCB		PDF	450	16 Nov 2012	144
PMP8012 Test Report		PDF	494	16 Nov 2012	153

More Literature (2)

Title	Abstract	Type	Size (KB)	Date	Views
PMP8012 BOM		PDF	157	16 Nov 2012	84
PMP8012 Schematic		PDF	63	16 Nov 2012	109

Related Products

Software (1)

PMP8012 Gerber
(ZIP, 172 KB) 74 views, 16 Nov 2012

TI Devices (1)

Part Number	Name	Product Family
TPS92310	Off-Line Primary Side Sensing LED Driver with PFC	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
Power Fundamentals: Switching Power Supply Design Considerations - Thermal Design Guidelines and Recommendations	Recorded Content	On Demand

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