30V @ 10Apk, 2.5ms ON, 64ms OFF

(ACTIVE) PMP5602

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Description

The PMP5602 is a "high side Buck" converter, able to supply 300W peak (30V @ 10A) for 2.5millisec, and 64millisec OFF (3.76% duty-cycle). The input voltage range is 40V to 60V.

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Bill of Materials (BOM)

Find the complete list of components in this reference design.

Download BOM

Parametrics

	PMP5602
Vin (Max) (V)	60
Vin (Min) (V)	40
Vout (Nom) (V)	30
Iout (Max) (A)	10
Output Power	300
Isolated/Non-Isolated	Non-Isolated
Input Type	DC
Topology	Buck- Upside Down

TI Devices (1)

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Part Number	Name	Product Family	Sample & Buy	Design Kits & Evaluation Modules
TPS40210	Wide Input Range Current Mode Boost Controller	Controller (External Switch)	Sample & Buy	View Design Kits & Evaluation Modules

CAD/CAE symbols

Part #	Package | Pins	CAD File (.bxl)	STEP Model (.stp)
TPS40210	HVSSOP (DGQ) | 10	Download	Download
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Technical Documents

User Guides (1)

Title	Abstract	Type	Size (KB)	Date	Views
PMP5602 Test Results		PDF	161	26 Oct 2011	15

Design Files (2)

Title	Abstract	Type	Size (KB)	Date	Views
PMP5602 BOM		PDF	29	26 Oct 2011	16
PMP5602 Schematic		PDF	57	26 Oct 2011	24

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