

(ACTIVE) PMP7182.1

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Description

The PMP7182.1(3.3V@0.2A) reference design is a 3.5W Quasi Resonant Flyback which uses a LM5023 and was intended for Consumer Electronics applications. It can generate an Isolated 3.3 volt output at 0.2 Amps from an input 100 to 250 Volts AC. This design has multiple outputs.

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Bill of Materials (BOM)

Find the complete list of components in this reference design

 [Download BOM](#)

Parametrics

	PMP7182.1
Vin (Max) (V)	250
Vin (Min) (V)	100
Vout (Nom) (V)	3.3
Iout (Max) (A)	.2
Output Power	.66
Isolated/Non-Isolated	Isolated
Input Type	AC
Topology	Flyback- Quasi Resonant

TI Devices (1)

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Part Number	Name	Product Family	Sample & Buy	Design Kits & Evaluation Modules
TLV431	Low-Voltage Adjustable Precision Shunt Regulator	Voltage Reference	Sample & Buy	Not Available

CAD/CAE symbols

Part #	Package Pins	CAD File (.bxl)	STEP Model (.stp)
TLV431	 SOT (DBZ) 3	Download	Download
	 TO-92 (LP) 3	Download	Download
	 SIP (PK) 3	Download	-
	 SOT (DBV) 5	Download	Download
	 SOT (DCK) 6	Download	Download

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Technical Documents

User Guides (1)

Title	Abstract	Type	Size (KB)	Date	Views
PMP7182 Test Results		PDF	2678	27 Sep 2012	16

Design Files (2)

Title	Abstract	Type	Size (KB)	Date	Views
 PMP7182 BOM		PDF	94	27 Sep 2012	26
 PMP7182 Schematic		PDF	47	27 Sep 2012	48

Related Tools & Software

Design Kits & Evaluation Modules (1)

Name	Part Number	Tool Type
LM5023 19V 65W Notebook Adapter Evaluation Module	LM5023-2NBEVM	Evaluation Modules & Boards

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