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TPS62420 Evaluation Module

(ACTIVE) TPS62420EVM-167

Description & Features

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Description

The TPS62420EVM-167 is an evaluation tool for the TPS62420 which is a 2.25 MHz dual, step down converter in a small 3x3 mm² QFN package. The TPS62420 can supply voltages from 0.6 V to 6 V from a 2.5 V to 6 V input, and provides two output rails of up to 600 mA/1000 mA. The voltage of each output can be dynamically changed using the EasyScale interface which is a single wire serial communication channel. The EVM comes with a USB to EasyScale converter and software so that a personal computer can be used to communicate with the EVM.

Features

- Efficiency: 95%
- Vin Range: 2.5 V to 6 V
- Output Current: 600 mA and 1000 mA
- Adjustable output voltage from 0.6 V to Vin
- Available in 10-pin 3x3 QFN package
- Power Save Mode at Light Load Currents
- Typ. 32 uA Quiescent current for both converters
- EasyScale one pin serial interface for dynamic output voltage adjustment
- One chip solution for powering dual rail processors and DSPs

What's Included

- SLVU178, TPS624xxEVM-167 User Guide (Rev. A)

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Part Number	Buy from Texas Instruments or Third Party	Buy from Authorized Distributor	Status	Lead-Free	RoHS	REACH	WEEE	HI-V (>50VRMS/75 VDC)	CE	CE-EMC	CE-RTTE/LVD	FCC	Batteries	Enclosure	Ext Power Supply
TPS62420EVM-167: TPS62420 Evaluation Module	\$49.00(USD) In Stock Typically Ships in 1 to 3 Business Days Buy from TI	Pricing may vary. Buy from distributor	ACTIVE	No	No	Yes*	NA	NA	NA	NA	NA	NA	No	No	No

Contact a Distributor

TI's [Standard Terms and Conditions for Evaluation Modules](#) apply.

Technical Documents

Datasheet (1)

Title	Abstract	Type	Size (KB)	Date	Views
2.25MHz 600mA/1000mA Dual Step Down Converter in Small 3x3mm² QFN Pkg (Rev. C)		PDF	1364	15 Jul 2010	

User Guides (1)

Title	Abstract	Type	Size (KB)	Date	Views
 TPS624xxEVM-167 User Guide (Rev. A)		PDF	551	02 Nov 2013	155

Related Products

Software (1)

 [TPS624xxEVM-167 Setup Software](#)
(ZIP, 644 KB) 24 views, 10 Oct 2013

Design Kits & Evaluation Modules (2)

Name	Part Number	Tool Type
TPS62400 Evaluation Module	TPS62400EVM-167	Evaluation Modules & Boards
TPS62401 Evaluation Module	TPS62401EVM-167	Evaluation Modules & Boards

TI Devices (3)


Part Number	Name	Product Family
TPS62400	Dual, Adjustable, 400mA and 600mA, 2.25MHz Step-Down Converter with 1-Wire Interface in QFN	Converter (Integrated Switch)
TPS62401	Dual, 400mA and 600mA, 2.25MHz Step-Down Converter with 1-Wire Interface in QFN	Converter (Integrated Switch)
TPS62420	Dual, Adjustable, 600mA and 1000mA, 2.25MHz Step-Down Converter with 1-Wire Interface in QFN	Converter (Integrated Switch)

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Training & events

Name	Type	Available During
Georgia Tech MOOC: Control of Mobile Robots Learn how to make mobile robots move in effective, safe, predictable, and collaborative ways using modern control theory.	On-Line Training	On Demand
SimpleLink™ Wi-Fi CC3100 and CC3200 Project 0 Series - 5 Part Series Learn about using Software Tools for SimpleLink™ Wi-Fi CC3100 Boosterpack and CC3200 Launchpad	On-Line Training	On Demand
TI-RTOS Update Learn about the latest TI-RTOS features and more in-depth understanding of this TI software tool.	On-Line Training	On Demand
Designing with Ultra Low Power Segmented Displays Learn about designing Ultra-low Power Segmented Displays and MSP430	On-Line Training	On Demand

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