
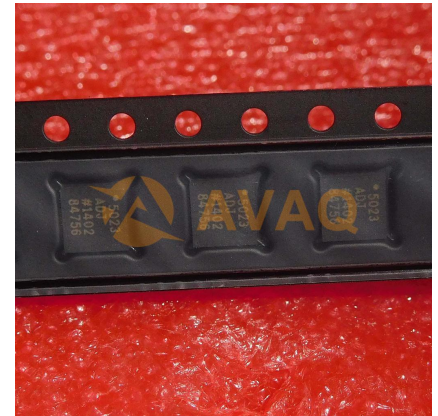


Buck Regulator with LDO 2.3V to 5.5V 24-Pin LFCSP EP T/R

Manufacturer:	Analog Devices, Inc
Package/Case:	LFCSP-24
Product Type:	Power Management ICs
RoHS:	RoHS Compliant/Lead free 
Lifecycle:	Active



Images are for reference only

[Inquiry](#)

General Description

The ADP5023 combines two high performance buck regulators and one low dropout (LDO) regulator in a small, 24-lead 4 mm × 4 mm LFCSP to meet demanding performance and board space requirements.

The high switching frequency of the buck regulators enables tiny multilayer external components and minimizes the board space. When the MODE pin is set high, the buck regulators operate in forced PWM mode. When the MODE pin is set low, the buck regulators operate in PWM mode when the load current is above a predefined threshold. When the load current falls below a predefined threshold, the regulator operates in power save mode (PSM) improving the light-load efficiency.

The two bucks operate out of phase to reduce the input capacitor requirement. The low quiescent current, low dropout voltage, and wide input voltage range of the ADP5023 LDO extends the battery life of portable devices. The ADP5023 LDO maintains power supply rejection greater than 60 dB for frequencies as high as 10 kHz while operating with a low headroom voltage.

Regulators in the ADP5023 are activated through dedicated enable pins. The default output voltages can be externally set in the adjustable version or factory programmable to a wide range of preset values in the fixed voltage version.

Key Features

±1.8% Regulator accuracy

Factory programmable or external adjustable VOUTx

Application

Power for processors, ASIC, FPGAs, and RF chipsets

Portable instrumentation and medical devices

Space constrained devices



Recommended For You

ADP196ACPZN-R7

Analog Devices, Inc
LFCSP-6

ADP191ACBZ-R7

Analog Devices, Inc
WLCSP4

AD581LH

Analog Devices, Inc
CAN3

AD1583BRTZ-REEL7

Analog Devices, Inc
SOT-23

ADL5315ACPZ-R7

Analog Devices, Inc
LFCSP8

ADR01TUJZ-EP-R7

Analog Devices, Inc
5-LeadTSOT

AD581KH

Analog Devices, Inc
CAN3

AD780BRZ

Analog Devices, Inc
SOP8

AD580SH

Analog Devices, Inc
CAN3

ADM660ARZ

Analog Devices, Inc
SOP8

ADM660ARZ-REEL7

Analog Devices, Inc
SOP8

ADP1612ARMZ-R7

Analog Devices, Inc
MSOP8

ADR444BRZ

Analog Devices, Inc
SOP8

AD589JH

Analog Devices, Inc
CAN

AD1582ARTZ-REEL7

Analog Devices, Inc
SOT-23