

Power Management Specialized - PMIC LTC3225 - 150mA Supercapacitor Charger

Manufacturers	<a href="#">Analog Devices, Inc</a>
Package/Case	DFN-10
Product Type	Power Management ICs
RoHS	
Lifecycle	



Images are for reference only

Please submit RFQ for LTC3225EDDB#PBF or [Email to us: sales@ovaga.com](mailto:sales@ovaga.com) We will contact you in 12 hours.

[RFQ](#)

## General Description

The LTC3225/LTC3225-1 are programmable supercapacitor chargers designed to charge two supercapacitors in series to a selectable fixed output voltage (4.8V/5.3V for the LTC3225 and 4V/4.5V for the LTC3225-1) from input supplies as low as 2.8V to 5.5V. Automatic cell balancing prevents overvoltage damage to either supercapacitor. No balancing resistors are required.

Low input noise, low quiescent current and low external parts count (one flying capacitor, one bypass capacitor at VIN and one programming resistor) make the LTC3225/LTC3225-1 ideally suited for small battery-powered applications.

Charge current level is programmed with an external resistor. When the input supply is removed, the LTC3225/LTC3225-1 automatically enter a low current state, drawing less than 1 $\mu$ A from the supercapacitors.

The LTC3225/LTC3225-1 are available in a 10-lead 2mm  $\times$  3mm DFN package.

## Features

Low Noise Constant Frequency Charging of Two Series Supercapacitors

Automatic Cell Balancing Prevents Capacitor Overvoltage During Charging

Programmable Charge Current (Up to 150mA)

Selectable 2.4V or 2.65V Regulation per Cell (LTC3225)

Selectable 2V or 2.25V Regulation per Cell (LTC3225-1)

Automatic>

ICOUT < 1 $\mu$ A When Input Supply is Removed

No Inductors

Tiny Application Circuit (2mm  $\times$  3mm DFN Package, All Components <1mm High)

## Application

Current Limited Applications with High Peak Power Loads (LED Flash, PCMCIA Tx Bursts, HDD Bursts, GPRS/GSM Transmitter)

Backup Supplies



## Related Products



### [LT3763EFE](#)

Analog Devices, Inc  
TSSOP28



### [LT1038CK](#)

Analog Devices, Inc  
TO-3



### [LTC4417IUF](#)

Analog Devices, Inc  
QFN-24



### [LTC3440EMS](#)

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MSOP10



[LTC1966CMS8#PBF](#)

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28-WFQFN