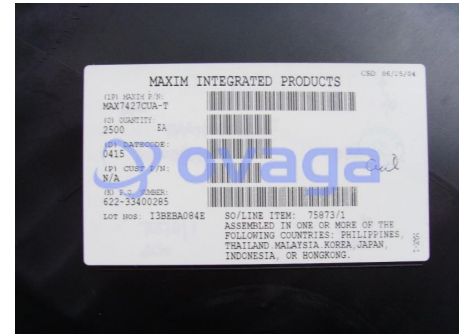


600mA, 500kHz Micropower Synchronous Boost Converter with Output Disconnect;  
 Package: SOT; No of Pins: 6; Temperature Range: -40°C to +125°C

Manufacturers	<a href="#">Analog Devices, Inc</a>
Package/Case	SOT-23-6
Product Type	Discrete Semiconductors
RoHS	
Lifecycle	



Images are for reference only

Please submit RFQ for LTC3429ES6 or [Email to us: sales@ovaga.com](mailto:sales@ovaga.com) We will contact you in 12 hours.

[RFQ](#)

## General Description

LTC3429ES6 is a specific model of a synchronous buck-boost DC/DC converter, which is a type of voltage regulator that can both step up (boost) or step down (buck) an input voltage to provide a regulated output voltage. The LTC3429ES6 is manufactured by Linear Technology, a company that produces a wide range of analog and mixed-signal integrated circuits.

## Features

**Wide input voltage range:** The LTC3429ES6 can operate with input voltages ranging from 1.8V to 5.5V, making it suitable for a variety of power supply applications.

**High efficiency:** The converter is designed for high efficiency operation, which helps to minimize power losses and maximize battery life in battery-powered applications.

**Adjustable output voltage:** The output voltage of the LTC3429ES6 can be adjusted using external components, allowing for flexibility in generating different output voltages as required by the application.

**Synchronous rectification:** The LTC3429ES6 uses synchronous rectification, which provides improved efficiency compared to traditional diode rectification.

## Application

**Portable devices:** The LTC3429ES6 is commonly used in portable electronic devices such as smartphones, tablets, and portable media players, where it can be used to efficiently regulate the power supply to different components.

**IoT devices:** The converter is also used in Internet of Things (IoT) devices, which require efficient voltage regulation for reliable operation in battery-powered or energy-harvesting applications.

**Industrial and automotive applications:** The wide input voltage range and high efficiency of the LTC3429ES6 make it suitable for various industrial and automotive applications, including power supplies for sensors, actuators, and other devices.

MAXIM INTEGRATED PRODUCTS

CSD: 06/25/04

(IP) MAXIM P/N:  
MAX7427CUA-T



(Q) QUANTITY:  
2500 EA



(D) DATECODE:  
0415



(P) CUST P/N:  
N/A



(K) P.O. NUMBER:  
622-33400285



LOT NOS: I3BEBA084E

SO/LINE ITEM: 75873/1

ASSEMBLED IN ONE OR MORE OF THE  
FOLLOWING COUNTRIES: PHILIPPINES,  
THAILAND MALAYSIA KOREA, JAPAN,  
INDONESIA, OR HONGKONG.

T-AC





**Related Products**



[LT1129CST-5](#)  
Analog Devices, Inc  
SOT223



[LT1716HS5](#)  
Analog Devices, Inc  
SOT23-5



[LT1716HS5#PBF](#)  
Analog Devices, Inc  
SOT-23



[LT1587CM](#)  
Analog Devices, Inc  
SOT263-3



[LT1381CS](#)  
Analog Devices, Inc  
SOP-16



[LTC3560ES6](#)  
Analog Devices, Inc  
SOT23



[LTC4440ES6](#)  
Analog Devices, Inc  
SOT23-6



[LT1185CT](#)  
Analog Devices, Inc  
TO-220