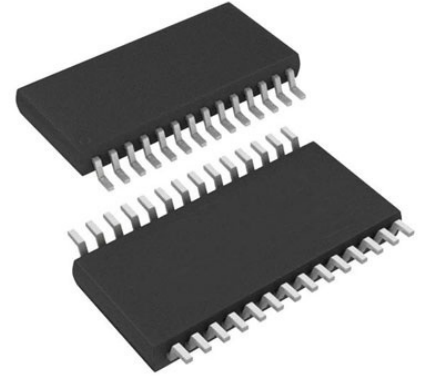


LED Driver IC 1 Output DC DC Controller Step-Down (Buck) PWM Dimming 28-TSSOP-EP

Manufacturers	<a href="#">Analog Devices, Inc</a>
Package/Case	TSSOP-28
Product Type	Power Management ICs
RoHS	
Lifecycle	



Images are for reference only

Please submit RFQ for LT3763EFE#PBF or [Email to us: sales@ovaga.com](mailto:sales@ovaga.com) We will contact you in 12 hours.

[RFQ](#)

## General Description

The LT3763 is a fixed frequency, synchronous, step-down DC/DC controller designed to accurately regulate output currents up to 20A. The average current mode controller will maintain inductor current regulation over a wide output voltage range from 0V to 55V. Output current is set by analog voltages on the CTRL pins and an external sense resistor. Voltage regulation and overvoltage protection are set with a voltage divider from the output to the FB pin. The switching frequency is programmable from 200kHz to 1MHz through an external resistor on the RT pin or with the SYNC pin and an external clock signal. Input and output current sensing provides input current limiting and an accurate measurement of these currents. The FBIN pin is provided for applications requiring a peak power tracking function.

Additional features include an accurate external reference voltage for use with the CTRL pins, an accurate UVLO/EN pin that allows for programmable UVLO hysteresis, a PWM driver for LED applications, output voltage fault detection, and thermal shutdown.

## Features

Accurately Control Input and Output Current

3000:1 True Color PWM™ Dimming

6V to 60V Input Voltage Range

Wide Output Range Up to 55V

Control Pin for Thermal Control of Load Current

Input and Output Current Monitor and Limit

Open, Short, and C/10 Fault Detection

PWM Driver Output for LED Applications

Thermally Enhanced 28-Lead FE Package

## Application

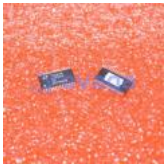
High Power Architectural Lighting

Automotive Lighting

Aviation and Marine Strobe Lights

Solar-Powered Chargers, Laser Diodes

## Related Products



### [LT3763EFE](#)

Analog Devices, Inc  
TSSOP28



### [LTC4417IUF](#)

Analog Devices, Inc  
QFN-24



### [LTC1966CMS8#PBF](#)

Analog Devices, Inc  
MSOP-8P



### [LTM8045EY#PBF](#)

Analog Devices, Inc  
BGA40



### [LT1038CK](#)

Analog Devices, Inc  
TO-3



### [LTC3440EMS](#)

Analog Devices, Inc  
MSOP10



### [LTC2990IMS#PBF](#)

Analog Devices, Inc  
10MSOP



### [LT4295IUFD#PBF](#)

Analog Devices, Inc  
28-WFQFN