

IC LED DRVR HP CONST CURR 38QFN

Manufacturers	Analog Devices, Inc
Package/Case	QFN-38
Product Type	Power Management ICs
RoHS	
Lifecycle	



Images are for reference only

Please submit RFQ for LT3476IUHF#PBF or [Email to us: sales@ovaga.com](mailto:sales@ovaga.com) We will contact you in 12 hours.

[RFQ](#)

General Description

The LT3476 is a quad output DC/DC converter designed to operate as a constant-current source for driving high current LEDs. A fixed frequency, current mode architecture results in stable operation over a wide range of supply and output voltages. A frequency adjust pin allows the user to program switching frequency between 200kHz and 2MHz to optimize efficiency and external component size.

The LT3476 senses output current at the high side of the LED. High side current sensing is the most flexible scheme for driving LEDs, allowing buck, boost or buckboost configurations. Each current monitor threshold is trimmed to within 2.5% at the full scale of 105mV. With an external sense resistor, the user programs the output current range of each channel. Each of the four regulators is independently operated by that channel's PWM signal. This PWM feature allows precise adjustment of the color mixing or dimming ratio of the LED source. Dimming ratios up to 1000:1 can be achieved.

Features

True Color PWM™ Dimming Delivers Up to 5000:1 Dimming Ratio (In Boost Configuration)

LED Current Regulation with High-Side Sense

VADJ Pin Accurately Sets LED Current Sense Threshold Over Range 10mV to 120mV

Four Independent Driver Channels with 1.5A, 36V Internal NPN Switches

Frequency Adjust Pin: 200kHz to 2MHz

High Efficiency>

Open LED Protection

Low Shutdown Current < 10μA

Wide VIN Range: 2.8V to 16V

Thermally Enhanced, 38-Lead, 5mm × 7mm QFN Package

Application

RGB Lighting

Automotive and Avionic Lighting

TFT LCD Backlighting

Constant-Current Sources



Related Products



[LT3763EFE](#)

Analog Devices, Inc
TSSOP28



[LT1038CK](#)

Analog Devices, Inc
TO-3



[LTC4417IUF](#)

Analog Devices, Inc
QFN-24



[LTC3440EMS](#)

Analog Devices, Inc
MSOP10



[LTC1966CMS8#PBF](#)

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MSOP-8P



[LTC2990IMS#PBF](#)

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10MSOP



[LTM8045EY#PBF](#)

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BGA40



[LT4295IUFD#PBF](#)

Analog Devices, Inc
28-WFQFN