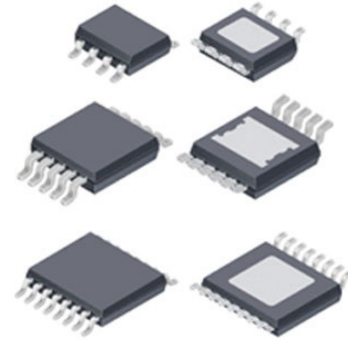


IC LED DRVR HP CONST CURR 16MSOP

Manufacturers	Analog Devices, Inc
Package/Case	MSOP16
Product Type	Power Management ICs
RoHS	
Lifecycle	



Images are for reference only

Please submit RFQ for LT3519EMS#PBF or [Email to us: sales@ovaga.com](mailto:sales@ovaga.com) We will contact you in 12 hours.

[RFQ](#)

General Description

The LT3519/LT3519-1/LT3519-2 are fixed frequency step-up DC/DC converters designed to drive LEDs. They feature an internal 45V, 750mA low side switch and Schottky diode. Combining a traditional voltage feedback and a unique rail-to-rail current sense feedback allows these converters to operate as a constant-voltage source or constant-current source. Internal compensation simplifies applications. These devices feature rail-to-rail LED current sense pins that provide the most flexibility in choosing a converter configuration to drive the LEDs. The LED current is externally programmable with a sense resistor. The external PWM provides up to 3000:1 PWM dimming and the CTRL input provides analog dimming.

Features

Up to 3000:1 True Color PWM™ Dimming

Wide Input Voltage Range

Operation from 3V to 30V

Transient Protection to 40V

Rail-to-Rail LED Current Sense from 0V to 45V

45V, 750mA Internal Switch

Internal Schottky Diode

Constant-Current and Constant-Voltage Regulation

Boost, SEPIC, Buck-Boost Mode or Buck Mode Topology

Open LED Protection and Open LED Status Pin

Programmable Undervoltage Lockout with Hysteresis

Fixed Frequency: 400kHz (LT3519), 1MHz (LT3519-1), 2.2MHz (LT3519-2)

Internal Compensation

CTRL Pin Provides Analog Dimming

Low Shutdown Current: <1μA

16-Lead MSOP Package

Application

Automotive

Industrial

Constant Current Source

Current Limited Constant Voltage Source

Related Products



[LT3763EFE](#)

Analog Devices, Inc
TSSOP28



[LTC4417IUF](#)

Analog Devices, Inc
QFN-24



[LTC1966CMS8#PBF](#)

Analog Devices, Inc
MSOP-8P



[LT1038CK](#)

Analog Devices, Inc
TO-3



[LTC3440EMS](#)

Analog Devices, Inc
MSOP10



[LTC2990IMS#PBF](#)

Analog Devices, Inc
10MSOP



[LTM8045EY#PBF](#)

Analog Devices, Inc
BGA40



[LT4295IUFD#PBF](#)

Analog Devices, Inc
28-WFQFN