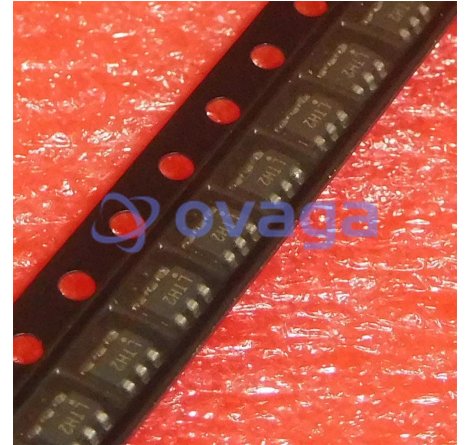


1.2MHz White LED Step-Up Converters with Built-In Schottky in ThinSOT; Package: SOT; No of Pins: 6; Temperature Range: -40°C to +125°C

Manufacturers	Analog Devices, Inc
Package/Case	SOT-23
Product Type	Power Management ICs
RoHS	
Lifecycle	



Images are for reference only

Please submit RFQ for LT3465ES6#PBF or [Email to us: sales@ovaga.com](mailto:sales@ovaga.com) We will contact you in 12 hours.

[RFQ](#)

General Description

The LT3465/LT3465A are step-up DC/DC converters designed to drive up to six LEDs in series from a Li-Ion cell. Series connection of the LEDs provides identical LED currents and eliminates the need for ballast resistors. These devices integrate the Schottky diode required externally on competing devices. Additional features include output voltage limiting when LEDs are disconnected, one pin shutdown and dimming control. The LT3465 has internal soft-start.

The LT3465 switches at 1.2MHz, allowing the use of tiny external components. The faster LT3465A switches at 2.4MHz. Constant frequency switching results in low input noise and a small output capacitor. Just 0.22µF is required for 3-, 4- or 5-LED applications.

The LT3465 and LT3465A are available in low profile (1mm) 6-lead SOT-23 (ThinSOT™) packages.

Features

Inherently Matched LED Current

Drives Up to Six LEDs from a 3.6V Supply

No External Schottky Diode Required

1.2MHz Switching Frequency (LT3465)

2.4MHz Switching Frequency Above AM Broadcast Band (LT3465A)

VIN Range: 2.7V to 16V>

Automatic Soft-Start (LT3465)

Open LED Protection

High Efficiency: 81% (LT3465) 79% (LT3465A) Typical

Requires Only 0.22 μ F Output Capacitor

Low Profile (1mm) SOT-23 Packaging

Application

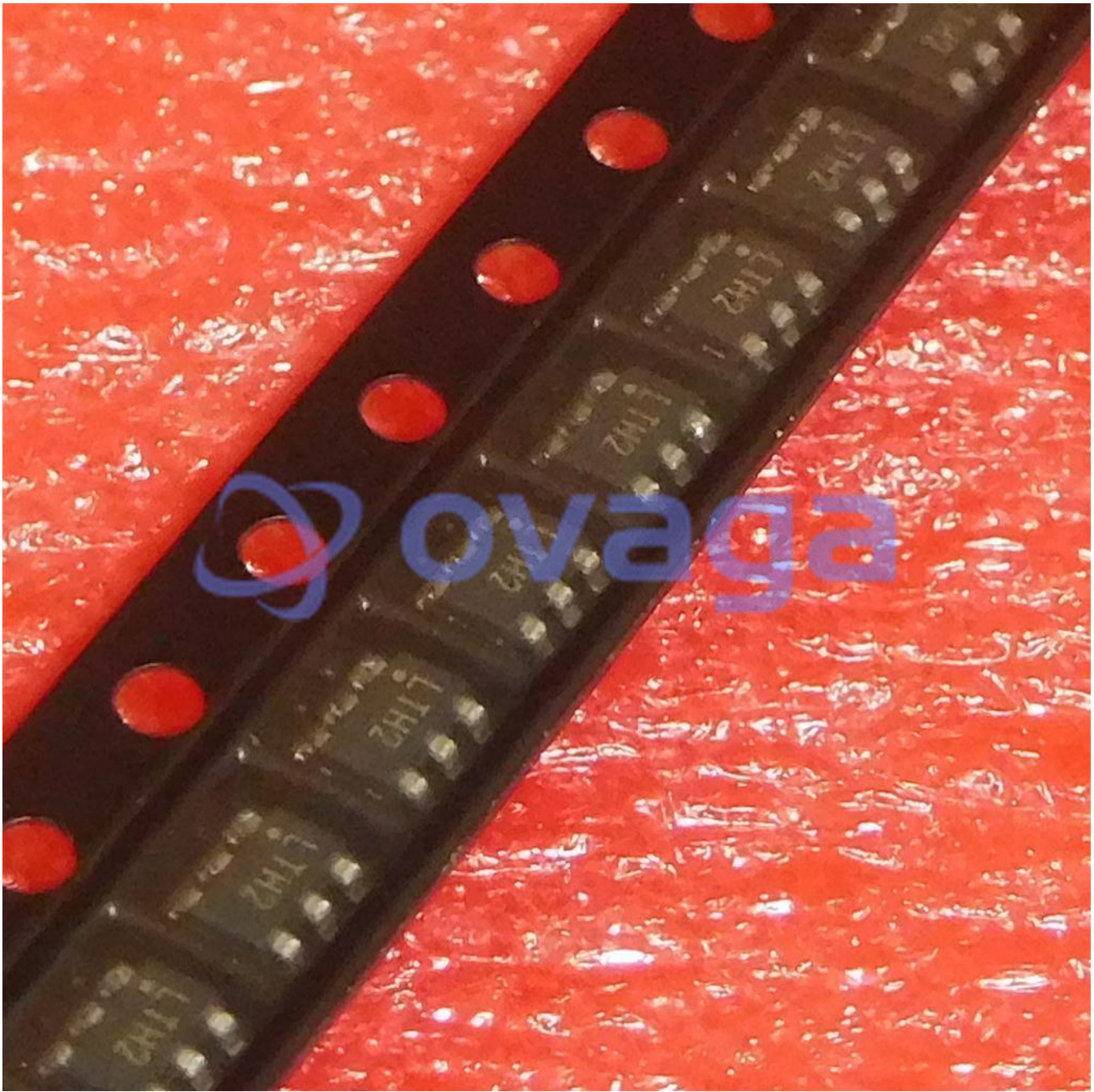
Cellular Phones

PDAs, Handheld Computers

Digital Cameras

MP3 Players

GPS Receivers



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](#)

Analog Devices, Inc
MSOP-8P



[LTC2990IMS#PBF](#)

Analog Devices, Inc
10MSOP



[LTM8045EY#PBF](#)

Analog Devices, Inc
BGA40



[LT4295IUFD#PBF](#)

Analog Devices, Inc
28-WFQFN