

IC REG BOOST ADJ 1.5A 10MSOP

Manufacturers	<u>Analog Devices, Inc</u>
Package/Case	10MSO
Product Type	Power Management ICs
RoHS	Pb-free Halide free
Lifecycle	



Images are for reference only

Please submit RFQ for LT1618EMS#TRPBF or [Email to us: sales@ovaga.com](mailto:sales@ovaga.com) We will contact you in 12 hours.

[RFQ](#)

## General Description

The LT1618 step-up DC/DC converter combines a traditional voltage feedback loop and a unique current feedback loop to operate as a constant-current, constant-voltage source. This fixed frequency, current mode switcher operates from a wide input voltage range of 1.6V to 18V, and the high switching frequency of 1.4MHz permits the use of tiny, low profile inductors and capacitors. The current sense voltage is set at 50mV and can be adjusted using the IADJ pin.

Available in the 10-Pin (3mm x 3mm) Exposed Pad DFN and 10-pin MSOP packages, the LT1618 provides a complete solution for constant-current applications.

## Features

Accurate Input/Output Current Control:  $\pm 5\%$  Over Temperature

Accurate Output Voltage Control:  $\pm 1\%$

Wide VIN Range: 1.6V to 18V

1.4MHz Switching Frequency

High Output Voltage: Up to 35V

Low VCESAT Switch: 200mV at 1A

Available in (3mm x 3mm x 0.8mm) 10-Pin DFN and 10-Pin MSOP Packages

## Application

LED Backlight Drivers

USB Powered Boost/SEPIC Converters

Input Current Limited Boost/SEPIC Converters

Battery Chargers



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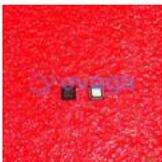
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