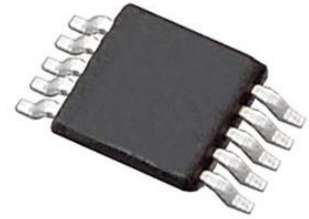


DC/DC Cntrlr Single-OUT Flyback 330kHz Automotive 10-Pin MSOP EP Tube

Manufacturers	Analog Devices, Inc
Package/Case	MSOP10
Product Type	Power Management ICs
RoHS	Pb-free Halide free
Lifecycle	



Images are for reference only

Please submit RFQ for LT3758EMSE#PBF or [Email to us: sales@ovaga.com](mailto:sales@ovaga.com) We will contact you in 12 hours.

[RFQ](#)

General Description

The LT3758/LT3758A are wide input range, current mode, DC/DC controllers which are capable of generating either positive or negative output voltages. They can be configured as either a boost, flyback, SEPIC or inverting converter. The LT3758/LT3758A drive a low side external N-channel power MOSFET from an internal regulated 7.2V supply. The fixed frequency, current-mode architecture results in stable operation over a wide range of supply and output voltages.

The operating frequency of LT3758/LT3758A can be set with an external resistor over a 100kHz to 1MHz range, and can be synchronized to an external clock using the SYNC pin. A minimum operating supply voltage of 5.5V, and a low shutdown quiescent current of less than 1 μ A, make the LT3758/LT3758A ideally suited for battery powered systems.

The LT3758/LT3758A feature soft-start and frequency foldback functions to limit inductor current during start-up and output short-circuit. The LT3758A has improved load transient performance compared to the LT3758.

APPLICATIONS

Features

Wide Input Voltage Range: 5.5V to 100V

Positive or Negative Output Voltage Programming with a Single Feedback Pin

Current Mode Control Provides Excellent Transient Response

Programmable Operating Frequency (100kHz to 1MHz) with One External Resistor

Synchronizable to an External Clock

Low Shutdown Current < 1μA

Internal 7.2V Low Dropout Voltage Regulator

Programmable Input Undervoltage Lockout with Hysteresis

Programmable Soft-Start

Small 10-Lead DFN (3mm × 3mm) and MSOPE Packages

AEC-Q100 Qualified for Automotive Applications

Application

Automotive

Telecom

Industrial

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