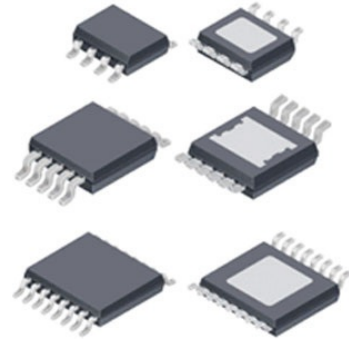


High Efficiency, 140V 400mA Step-Down Regulator

| | |
|---------------|-------------------------------------|
| Manufacturers | Analog Devices, Inc |
| Package/Case | 16(12)-Lead MSOP w/ EP |
| Product Type | Power Management ICs |
| RoHS | |
| Lifecycle | |



Images are for reference only

Please submit RFQ for LTC7138IMSE#PBF or [Email to us: sales@ovaga.com](mailto:sales@ovaga.com) We will contact you in 12 hours.

[RFQ](#)

General Description

The LTC7138 is a high efficiency step-down DC/DC regulator with internal power switch that draws only 12 μ A typical DC supply current while maintaining a regulated output voltage at no load.

The LTC7138 can supply up to 400mA load current and features a programmable peak current limit that provides a simple method for optimizing efficiency and for reducing output ripple and component size. The LTC7138's combination of Burst Mode[®] operation, integrated power switch, low quiescent current, and programmable peak current limit provides high efficiency over a broad range of load currents.

With its wide input range of 4V to 140V and programmable overvoltage lockout, the LTC7138 is a robust regulator suited for regulating from a wide variety of power sources. Additionally, the LTC7138 includes a precise run threshold and soft-start feature to guarantee that the power system start-up is well-controlled in any environment. A feedback comparator output enables multiple LTC7138s to be connected in parallel for higher current applications.

The LTC7138 is available in a thermally enhanced high voltage-capable 16-lead MSE package with four missing pins.

Features

Wide Operating Input Voltage Range: 4V to 140V

Internal Low Resistance Power MOSFET

No Compensation Required

Adjustable 100mA to 400mA Maximum Output Current

Low Dropout Operation: 100% Duty Cycle

Low Quiescent Current: 12 μ A

Wide Output Range: 0.8V to VIN

0.8V \pm 1% Feedback Voltage Reference

Precise RUN Pin Threshold

Internal or External Soft-Start

Programmable 1.8V, 3.3V, 5V or Adjustable Output

Few External Components Required

Programmable Input Overvoltage Lockout

Thermally Enhanced High Voltage MSOP Package

Application

Industrial Control Supplies

Medical Devices

Distributed Power Systems

Portable Instruments

Battery-Operated Devices

Avionics

Automotive

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



[LTM8045EV#PBF](#)

Analog Devices, Inc
BGA40



[LT4295IUFD#PBF](#)

Analog Devices, Inc
28-WFQFN