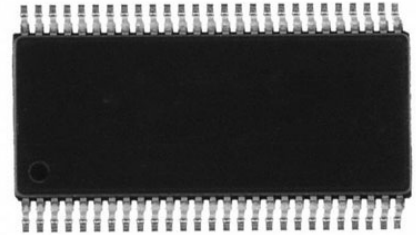


Conv DC-DC 3V to 100V Step Down Single-Out 2A 24W Micropower Automotive 8Pin SOIC N EP Tube

| | |
|---------------|-------------------------------------|
| Manufacturers | Analog Devices, Inc |
| Package/Case | 8-SOIC (0.154, 3.90mm Width) |
| Product Type | Power Management ICs |
| RoHS | Green |
| Lifecycle | |



Images are for reference only

Please submit RFQ for LT8304IS8E#PBF or [Email to us: sales@ovaga.com](mailto:sales@ovaga.com) We will contact you in 12 hours.

[RFQ](#)

General Description

The LT8304/LT8304-1 are monolithic micropower isolated flyback converters. By sampling the isolated output voltage directly from the primary-side flyback waveform, the parts require no third winding or opto-isolator for regulation. The output voltage is programmed with two external resistors and a third optional temperature compensation resistor. Boundary mode operation provides a small magnetic solution with excellent load regulation. Low ripple Burst Mode operation maintains high efficiency at light load while minimizing the output voltage ripple. A 2A, 150V DMOS power switch is integrated along with all the high voltage circuitry and control logic into a thermally enhanced 8-lead SO package.

The LT8304/LT8304-1 operate from an input voltage range of 3V to 100V and deliver up to 24W of isolated output power. The high level of integration and the use of boundary and low ripple Burst Mode operation result in a simple to use, low component count, and high efficiency application solution for isolated power delivery. The LT8304-1 is specially optimized for high step-up output applications.

Features

3V to 100V Input Voltage Range

2A, 150V Internal DMOS Power Switch

Low Quiescent Current:

116 μ A in Sleep Mode

390 μ A in Active Mode

Quasi-Resonant Boundary Mode Operation at Heavy Load

Low Ripple Burst Mode[®] Operation at Light Load

Minimum Load < 0.5% (Typ) of Full Output

No Transformer Third Winding or Opto-Isolator

Required for Output Voltage Regulation

Accurate EN/UVLO Threshold and Hysteresis

Internal Compensation and Soft-Start

Temperature Compensation for Output Diode

Output Short-Circuit Protection

Thermally Enhanced 8-Lead SO Package

Application

Isolated Automotive, Industrial, Medical, Telecom Power Supplies

Isolated Auxiliary/Housekeeping Power Supplies

Related Products



[LT3763EFE](#)

Analog Devices, Inc
TSSOP28



[LTC4417IUF](#)

Analog Devices, Inc
QFN-24



[LTC1966CMS8#PBF](#)

Analog Devices, Inc
MSOP-8P



[LTM8045EV#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