

600VIN Micropower No-Opto Isolated Flyback Controller

Manufacturers	Analog Devices, Inc
Package/Case	20-Lead TSSOP w/ EP
Product Type	Power Management ICs
RoHS	
Lifecycle	



Images are for reference only

Please submit RFQ for LT8316EFE#PBF or [Email to us: sales@ovaga.com](mailto:sales@ovaga.com) We will contact you in 12 hours.

[RFQ](#)

General Description

The LT8316 is a micropower, high voltage flyback controller. No opto-isolator is needed for regulation. The device samples the output voltage from the isolated flyback waveform appearing across a third winding on the transformer. Quasi-resonant boundary mode operation improves load regulation, reduces transformer size, and maintains high efficiency.

At start-up, the LT8316 charges its INTVCC capacitor via a high voltage current source. During normal operation, the current source turns off and the device draws its power from a third winding on the transformer minimizing standby power dissipation.

The LT8316 operates from a wide range of input supply voltages and can deliver up to 100W of power. It is available in a thermally enhanced 20-pin TSSOP package with four pins removed for high-voltage spacing.

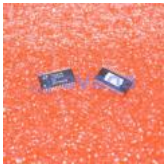
Features

- Wide Input Voltage Range: 16V to 600V
- No Opto-Isolator Required for Regulation
- Quasi-Resonant Boundary Mode Operation
- Constant-Current and Constant-Voltage Regulation
- Low-Ripple Light Load Burst Mode® Operation
- Low Quiescent Current: 75µA
- Programmable Current Limit and Soft-Start
- TSSOP Package with High-Voltage Pin Spacing

Application

- Isolated Telecom, Automotive, Industrial, Medical Power Supplies
- Isolated Off-Line Housekeeping Power Supplies
- Electric Vehicles and Battery Stacks
- Multioutput Isolated Power Supplies for Inverter Gate Drives

Related Products



[LT3763EFE](#)

Analog Devices, Inc
TSSOP28



[LTC4417IUF](#)

Analog Devices, Inc
QFN-24



[LTC1966CMS8#PBF](#)

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MSOP-8P



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10MSOP



[LT4295IUFD#PBF](#)

Analog Devices, Inc
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