

IC REG BOOST ADJ 8DFN

Manufacturers	<a href="#">Analog Devices, Inc</a>
Package/Case	DFN8
Product Type	Power Management ICs
RoHS	Pb-free Halide free
Lifecycle	



Images are for reference only

Please submit RFQ for LT8410EDC#TRPBF or [Email to us: sales@ovaga.com](mailto:sales@ovaga.com) We will contact you in 12 hours.

[RFQ](#)

## General Description

The LT8410/LT8410-1 are ultralow power boost converters with integrated power switch, Schottky diode and output disconnect circuitry. The parts control power delivery by varying both the peak inductor current and switch off-time. This control scheme results in low output voltage ripple as well as high efficiency over a wide load range. The quiescent current is a low 8.5 $\mu$ A, which is further reduced to 0 $\mu$ A in shutdown. The internal disconnect circuitry allows the output voltage to be blocked from the input during shutdown. High value (12.4M/0.4M) resistors are integrated on chip for output voltage detection, significantly reducing input referred quiescent current. The LT8410/LT8410-1 also features a comparator built into the SHDN pin, over voltage protection for the CAP and VOUT pins, built in soft-start and comes in a tiny 8-pin 2mm  $\times$  2mm DFN package.

## Features

Ultralow Quiescent Current

8.5 $\mu$ A in Active Mode

0 $\mu$ A in Shutdown Mode

Comparator Built into SHDN pin

Low Noise Control Scheme

Adjustable FB reference voltage

Wide Input Range: 2.5V to 16V

Wide Output Range: Up to 40V

Integrated Power NPN Switch

25mA Current Limit (LT8410)

8mA Current Limit (LT8410-1)

Integrated Schottky Diode

Integrated Output Disconnect

High Value (12.4M/0.4M) Feedback Resistors Integrated

Built in Soft-Start (Optional Capacitor from VREF to GND)

Overvoltage Protection for CAP and VOUT pins

Tiny 8-Pin 2mm  $\times$  2mm DFN package

## Application

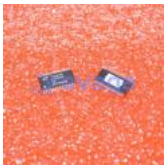
Sensor Power

RF MemS Relay Power

General Purpose Bias



## 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



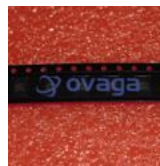
### [LTC2990IMS#PBF](#)

Analog Devices, Inc  
10MSOP



### [LTM8045EY#PBF](#)

Analog Devices, Inc  
BGA40



### [LT4295IUFD#PBF](#)

Analog Devices, Inc  
28-WFQFN